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ABSTRACT

The Management Information System (MIS) described in this report represents a plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system. The MIS component is being developed to meet the need for the coordination of the resources of staff, facilities, and time with the long range planning and financial management efforts of the future. The report describes the project missions, to develop and construct (1) a common data base; (2) a program monitoring system; and (3) the simulation, modeling, and reporting devices for management. Included are the forms used for computer input, the program-oriented account code system, and a sample school budget. Nine appendixes present (1) the missions and goals statement of MIS, (2) a glossary of MIS terms, (3) a pupil tract area survey, (4) a classroom utilization schedule for the MIS, (5) the MIS student use of unscheduled time, (6) a pupil tract area survey (second edition), (7) the use of the master schedule in resource allocation, (8) planning facilities for student use during unscheduled time, and (9) planning an educational budget by program through financial resource allocation. (Pages 21-232 may reproduct poorly.) (Author/DN)

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MANAGEMENT INFORMATION SYSTEM PROJECT

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1967-1972

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1971-1972

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Principal Investigator:

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1969-1971

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I

MANAGEMENT INFORMATION SYSTEM: AN OVERVIEW

The Management Information System represents a plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system. The Management Information System was developed to meet the need for coordination of resources with long-range planning and financial management of the future. The project which was funded by the U. S. Office of Education had three missions:

1. The development and construction of a common data base.
2. The development and construction of a program monitoring system.
3. The development and construction of simulation, modeling, and reporting devices for management.

A necessary prerequisite for any systematic study of the information needs in decision-making is the establishment of an educational data bank. Four interrelated activities are necessary for the development of this data bank.

1. Information Collection - the development of specifications for information sources and, when appropriate, sampling techniques; the development of specifications for instrument construction and the scheduling of information collection; the development of common definitions for data elements in the bank.
2. Information Organization - the development of methods for cross classification of information; the development of coding systems for information storage; the development of systematic reliability and validity checks for information.
3. Information Analysis - the development of analytical tools for information manipulation; the development of base line or referent information; the development of schedules for periodic evaluation of procedures.
4. Information Reporting - the development of criteria for specifying information reporting audiences; the development of formats, schedules and reporting session procedures; the development of strategies for providing information to users.

Data bank activities are being structured to classify data under the following five tracts or files: (1) FINANCE, (2) STAFF, (3) FACILITY, (4) PUPIL, (5) COMMUNITY.

The FINANCE DATA FILE includes all cost elements relative to the educational program. It is a fiscal reporting system which reflects the cost of operating the educational program.

The STAFF DATA FILE includes demographic characteristics, training and experience, ratings and effectiveness measures, and salary.

The FACILITY DATA FILE includes the site characteristics, the buildings (construction, age, and condition), the educational and non-educational space, the equipment specifications, and program materials.

The PUPIL DATA FILE includes elements with common definitions related to demographic characteristics. It contains measures of the present level of intellectual functioning and measures of achievement, performance, aspiration, and expectation.

The COMMUNITY DATA FILE includes information obtained and stored by the local community. The decision to not automate the information derived from this file in decision-making was based on the shifting focus of the project from a broad data base toward a more limited computerized data base. It was the intent of the decision-makers in the project to exclude data that had a prohibitive cost effectiveness ration, and concentrate on those data related to building the management system around a program planning and budgeting structure. This decision was made during the second year of the project's life, and the early documentation of community materials and the sources of this data are still on file at the Iowa Educational Information Center.

Basic to program monitoring is the school schedule. The schedule reflects the way in which facilities and staff are used with respect to time. It also reflects student use of time as they participate in various courses. The program-oriented school district budget also reflects the use of resources to carry out instructional activities.

Simulation techniques are important for effective long-range planning. The Management Information System provides the tool for cost projects under the Planning, Programming, Budgeting, Evaluation System (PPBES).

Through the use of Management Information System, school district managers can increase the quality of decisions, more effectively evaluate programs, and become more accountable for resources and accomplishments.

II

EVALUATION

Educational relations between federal, state, and local educational agencies are changing. These changes are causing the emergence of new roles and a shift in existing relationships for private and public lay organizations, professional societies, and institutions of higher education. This shift in relationship has been accompanied by a new emphasis in administration on the process of decision-making. It is expected that change will continue at an accelerated rate and administration will focus more and more on planning and accountability. The need for information that is related to decisions and responsive to the management of change will become more acute. The central question in any study of management information systems inevitably concerns decisions about people and things.

Today our educational systems show a variety of form of organizational structure. These structures have been evolved to cope with the increased size and complexity of American education. They also reflect the changes that have occurred in the funding and scope of the educational enterprise. In the past, structures emphasized the activity to be performed by those occupying roles in the system. The older models are being replaced by new models of the educational system based upon deciding.

Management Decision-Making

Current conceptualizations of administration focus on the decision-making function as the key to management. This shift in emphasis from doing to deciding has raised serious lquestions about the role of administration. For example, who needs to know? Who sets the goals and priorities for the system? Who evaluates decisions? Our existing fund of research on decision-making can be conceptualized into terms of three basic models. The first model purports to help our understanding of the decision-making process by showing how others have made similar decisions. It is a post-hoc model. Examples of educational applications of the model are found in the case-study approach to the teaching of educational administration and the use of experts in viewing programs. Second, models of "who should be involved" in the decision-making situation exist. They focus on who will be effective, are descriptive and emphasize functional involvement. The newer economic models focus on alternatives, choices, probability and the respective economic values of decisions.

By representing a simplification of reality, each of the models attempt to reduce uncertainty. They introduce structure, or, if you will, a frame of reference for viewing a particular class of situations. The above models in their application have had a limiting effect on administration by the very fact that the models are not very generalizable and yield only a partial explanation of the montage of administrative decision-making. For example, the economic model with its inherent focus on the criterion of efficiency when contrasted to the administrative model of participation often leads to contradictory outcomes because the models are based upon conflicting assumptions and objectives.

One must always keep in mind that the model adapted represents limitations as well as benefits. Each model has built-in biases that represent a view of reality. While this allows the introduction of goals and objectives which lend structure and bring order to the work of observation, it does not necessarily produce adequate and relevant information. Also, a model is further limited by the availability of a measuring system precise enough to further reduce uncertainty about the observations which are made in application of the model. All models assume that the world is such, observations are made thus, and are, therefore, based upon belief. The value of one "belief" over another is usually based upon the scientific criteria of parsimony, inclusiveness, and the ability to generate useful hypotheses. How is this related to the MIS role in administration?

An Organismic Model

The pressure for change from both within and without the educational setting is causing administrators to reexamine the existing models and search for new models of educational decision-making. An organismic model was developed as a component of the MIS project and represents a viable alternative to continued current practice in administration.

The organismic model developed is based upon the following assumptions. First, the model assumes a life cycle. The life cycle concept is biological in that an organism is born. Once born, the organism attempts to stay alive. Finally, the organism dies. Thus, a cycle is completed. Second, the organismic model assumes that change is always present. The very existence of the life cycle presupposes change in the organism. The change is characteristically thought of in terms of life stages such as birth, youth, maturity, and old age. Third, the organismic model assumes that the organism strives to perpetuate itself. In biology, this is accomplished through reproduction. Fourth, the organismic model assumes an interaction with the environment. In the process of this interaction, the organism must assimilate from and accommodate to the forces outside itself. Fifth, all organisms show organization in the sense of differentiation of function. Even the simple amoeba has parts of itself with special features and functions.

It has been said many times that the goal of business is to stay in business. This is an organismic goal and is equally appropriate for many organizations. A recent example of the organizational tendency to stay in operation once functioning was the Polio Foundation. Dr. Saulk's discovery and wide-spread use of a polio vaccine did not put the foundation out of business--it simply developed new goals and began a new cycle. Educational organizations possess this same characteristic.

The cyclic aspect of an educational system can easily be understood in terms of sets or series of events which occur over time and lead back to a starting point. For example, the events of an educational system can be thought of as beginning in September, ending in June, and the cycle begins again in the following September. In this sense, educational organizations are described as being cyclic. The MIS project has shown that the vast majority of administrative planning activity is also cyclic. The procedures and processes which require MIS reporting are not of the one of a kind variety and therefore lend themselves to an organismic model for management information systems.

The stay alive characteristic of the educational system under study was assumed to be a priori condition in the sense of describing the present state of an evolutionary chain of events and not the beginning point. It is not a priori in the innate idea sense. Rather, it is a convenience of belief. Stated another way, in developing the MIS it was assumed that the system is what it is - nothing more, nothing less. By starting with the present, the organization of the system was represented in relation to its functioning in the existing environment. Or, the present organization and use of resources represented the differentiation of function within the system to achieve adaptation to the environment. The present is an organizational condition of being. A few key terms in the organismic model of administration are presented to facilitate the reader.

Organization consists of the differentiation of function by structuring within the system in order to regulate activity. Activity is regulated to conserve the energy of the system. Organization is the process by which the system adapts to the environment. Organization is the regulating function of the system. Information serves the organizational function of the system by providing the intelligence.

Change, then, is represented by adaptation. The potential for adaptation consists of the ability of the system to assimilate (make internal adjustments by absorbing from the environment) and accommodate (make external adjustments by reconciliation with the environment) in order to stay alive in the future.

Management serves the system by providing an information system for decision-making in the process of adaptation in the course of change. MIS, in an organismic systems sense, is the process of providing feedback into the system. Feedback is the name given to information which is intended to effect control. Feedback answers the question: "How are we doing?" It is an adaptive monitoring-type mechanism. It is now time to put the elements together in the model.

An Administrative Model

Educational systems have adopted a structure *a priori* which specifies the universe of logical possibilities of discourse. From this universe, functions and elements are named. The model developed specifies by definition the possible observations within the system. The MIS model begins with present status and assumes that there exists:

1. Organization within the educational system.
2. An adaptive change mechanism which operates through assimilation and accommodation with the environment.
3. A feedback system to provide for organizational change through information from the internal and external environment to serve the goal of system survival.

Also, change is accepted as a continuous condition of the system.

Administration and MIS are closely related in the sense that a functional administrative system is based upon adaptation, and therefore inherently subsumes an information system to serve the need for the organizational structuring necessary to facilitate assimilation and accommodation in the environment. Administration is charged with the management of the larger educational system and the MIS is the internal information system necessary for system change. The logic of this conceptualization can be stated in the form of an input-black box-output analogy as shown in Figure 1.

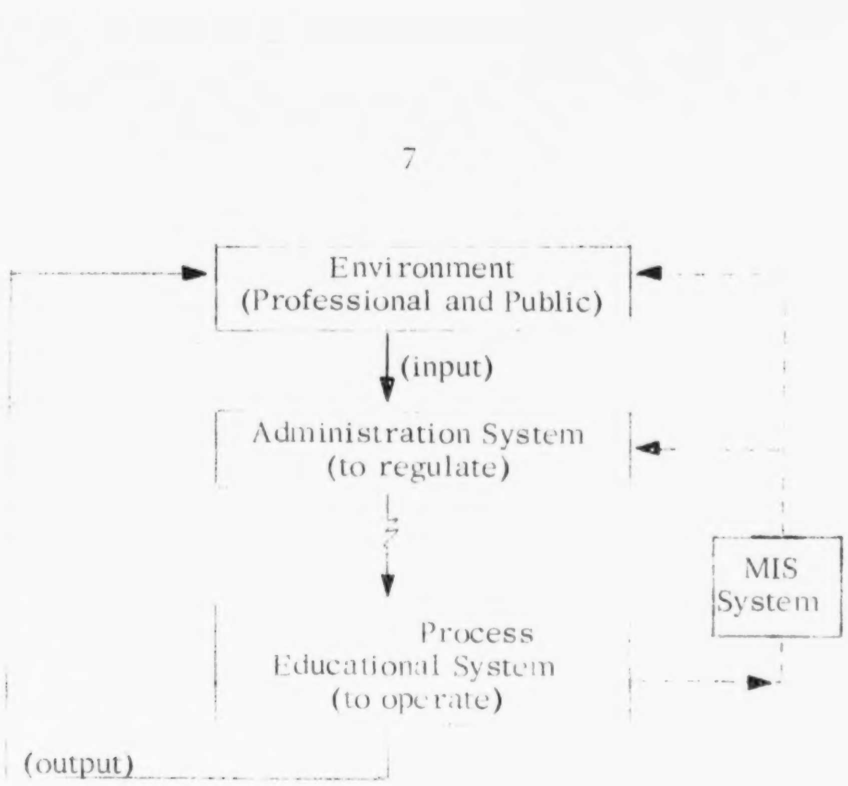

Environment
(Professional and Public)
(input)
Administration System
(to regulate)
Process
Educational System
(to operate)
MIS
System
(output)

Figure 1.
A System Model of Education

When there is no pressure for change in the output of the educational system from the environment, the system is said to be in equilibrium. The forces for change are in balance with those of persistence in a dynamic sense and internal organizational forces are able to adjust to environmental pressures. Under these conditions, an informal MIS typically functions well in relation to the administrative system.

In order to facilitate an understanding of the MIS developed, system equilibrium is presented. A system attempts to maintain itself and conserve its energies by internally organizing for adaptation to conditions for the external environment. Adaptation subsumes previous change and equilibrium is the ready state for further adaptation. Stated formally in a three organizational, three pressure equation:

Let functions a, b, c, etc., represent the internal organization of the system. While pressures x, y, x represent conditions in the environment.
Then

(1) $a + x = b$
(2) $b + y = c$
(3) $c + z = a$, etc.

represents a state of dynamic equilibrium where functions and pressures interact to balance each other. An educational system is modeled as a structure of processes in relation to an environment which cause each other to exist. A system in a state of equilibrium is concentrating on the adaptive function of assimilation. It is taking into itself the environmental pressures and processing them through a cycle of functions by use of present organization. The environmental input is taken into the educational system and processed by organizational functions which create further organizational functions, which in turn respond by absorption on other environmental pressures until the cycle of the system is complete.

The pressure for the creation of a new equilibrium occurs when the environment alters in such a way that the present functions of the organization can no longer accommodate themselves in order to maintain equilibrium. Let us say that x undergoes a change to x'. Then:

(1) $a + x' = b'$
(2) $b' + y = c$
(3) $c + z = a$

and the introduction of a new state in the environment caused a shift by accommodation within the organization to create a new equilibrium within the system. The change of b to b' was an assimilation within the organization to change in the environment. Adaptation is itself an equilibrium between assimilation and accommodation.[1]

In the sense of answering our central question, we can now say that within any system and its environment, the relationship of people and things is one of creating an organizational structure flexible and responsive enough to achieve the internal assimilation of external changes within the system. The accommodation of the organization is to external change in the environment. The relationship is reciprocal and forms an indissoluble entity. Obviously, this management model is based upon an MIS structure in the sense of being information-oriented. The key to educational administration is the development of an MIS to serve decision-making.

The MIS model presented is based upon a systems view and thus complements the administrative model presented. MIS, as here defined, provides information to decision-makers. The information must be timely, relevant, accurate, and in usable form. Since everyone in an educational setting must make decisions, the MIS model should serve all members of the organization. But, administrators by the nature of their relationship to the system bear the responsibility for the majority of decisions and the consequences of their implementation. The objectives of our MIS model can be summarized as:

1. To provide data related to system operation for administrative direction and control of change;

2. To provide for the collection, organization and storage of data relative to programs and goals of the system;

3. To provide for the analysis and evaluative procedures and techniques for program implementation, operation and termination;

4. To provide a response capability for the facilitation of change and revision of programs and procedures;

5. To provide for an ongoing evaluation of the MIS system;

6. To provide for the communication of information within and without the system.

The organization of the information system itself follows the familiar classification schema of Pupils, Staff, Curriculum, Facilities and Finance. The existing information in our educational system is classified in these categories. A data base of information files following this categorization would be built from present files. (See Figure 2.)

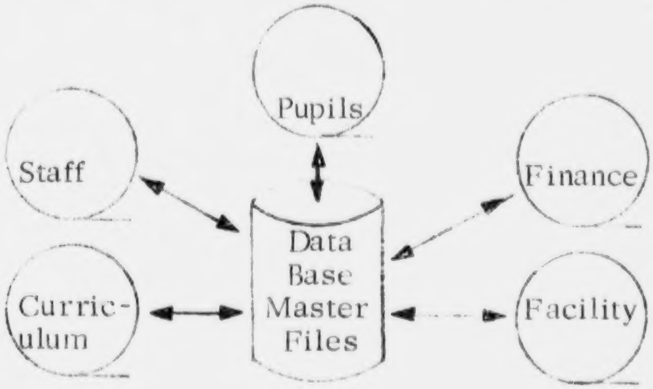


Figure 2.
An MIS Data Base and File Relationship

The task of building a data base is not as complicated as one would expect. As already stated, most of the data necessary for the construction of a data base exists in a school system. The creation of a data base for educational decision-making is an ideal application of the computer with its ability to store and retrieve data. Five tracks of information are presented for the organization, clarification and systematization of available data. It is assumed that better decisions in all five tracks of information are presented for the organization, clarification and systematization of available data. It is assumed that better decisions in all five tracks will result from the development of a methodology to show the relatedness of decisions in each area on other tracks within the system. The massive storage capability of the computer allows for the creation of information based upon the interrelatedness of data.

The real immediate benefit of this system is in the building of ties or links between classification categories to make them dynamic rather than static files. In this way, a data base allows for the representation of the interrelatedness of events in the system. The structure follows Figure 3. The model depicts the events of an educational cycle in terms of the status of input at the start of the program, the processes of change organized within the system and the new status of input at the point of output.

Input

The status of input is depicted in terms of the system at the start of a cycle of activity, the constraints imposed by the environmental setting, and the constraints imposed upon the input by the system itself. It should be stressed that this model assumes that the input into an educational cycle consists of much more than pupils, and that the system cycle will cause change in all aspects of the input. For example, it is assumed that the facility will be different at the completion of the cycle - the staff will have changed in many ways - the curriculum will be changed - the financial picture will not be the same. Indeed, the community will not be the same.

The point is essential for it must be remembered that from an organismic system conceptualization, change is both internal and external. Change accompanies any activity. The task of an MIS is to provide information at the most meaningful points in this continual change cycle. It should be added that administrators at various levels within the system will have different information needs. Thus, there will be many information cycles within the MIS related to the function of the particular decision-maker.

Process

Process denotes the organizational objectives within the system change process. In our model of the educational system, process is the organized differentiation of function reacting to produce change in the input variables. This stage of the cycle is capable of continual feedback and internal organizational change to achieve the reason for the existence of the system. In Figure 3, constraints are shown in terms of the setting, and examples of processes to be explicated within the setting are listed.

Input	Process	Output
I. System Variables (state of input at start of cycle-organization attempts to change) A. Pupil data B. Staff data C. Facility data D. Financial data E. Curriculum data F. Other data	I. Organizational Cycle Variables (necessary activities for change in input) A. Pupil tasks and interaction B. Staff tasks and interaction C. Extra-setting tasks and interaction D. Other data	I. Termination Variables (state of change in input at end of cycle) A. Pupil data B. Staff data C. Facility data D. Financial data E. Curriculum data F. Other data
II. Environmental Constraints (necessary structure for program implementation in terms of fixed resources)	II. Environmental Constraints (necessary structure for program operation in terms of resource provision for process explication)	II. Environmental Constraints (status of structure at program termination for decisions on recycling program)
III. Input Constraints A. Pupil selection criteria B. Staff selection criteria C. Other criteria	III. Process Constraints (organizational objectives for each process output specified and measured where possible)	III. Output Constraints A. Pupil objectives B. Staff objectives C. Other objectives

Figure 3.
MIS System Design

Output

Output information is again presented in terms of the five files of data, the effects of the cycle on the setting and the system goals. While educators are accustomed to this point in the cycle being the most relevant to MIS, it should be pointed out that the model allows for the presentation of information related to any of the three phases of the model. The possibility of acting on information exists in relation to each of the phases and in relation to accepted standards of performance for both people and things. The model is applicable to decision situations at all levels of the system. The level of involvement of the decision-maker provides the key to the MIS system operation in that it is the setting that provides the key to what information is needed.

This project has welded together several conceptualizations of the reality that is administration. The model presented an organismic view of the relationships between administration and the people and things that form an educational system. By focusing on decision-making, the boundaries of an educational system are separated into an internal organization and its relationship to the external environment. By focusing on the present state of that which the organization operates on, the processes, the model gains the advantage of always being able to adjust the organizational structure for the next process on the present state. By viewing MIS as the process of providing information for decision-making, the interrelatedness of administration and MIS to the system function of adaptation is explicated. Finally, the environment of an educational system was presented as having at least an internal professional component and an external public component which influences change and the differentiation of function, within the internal organization. From here, we will move to the actualized operational MIS model in a school district setting.

III

DATA FILE INTEGRATION MANAGEMENT

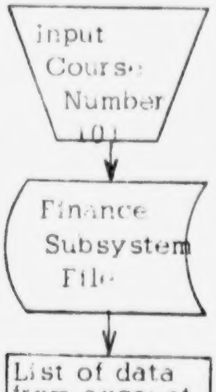
The Management Information System (MIS) data are organized into subsystem files as described below, and are interrelated through the school's master schedule of courses file. Since the master schedule represents the school administration's plan of operation for the period of time during which that schedule is in effect, the resulting information reported from the MIS system reflects the mix of resources allocated.

The MIS subsystem files are groups of data relating to and describing resources available to the school. These files may be identified as:

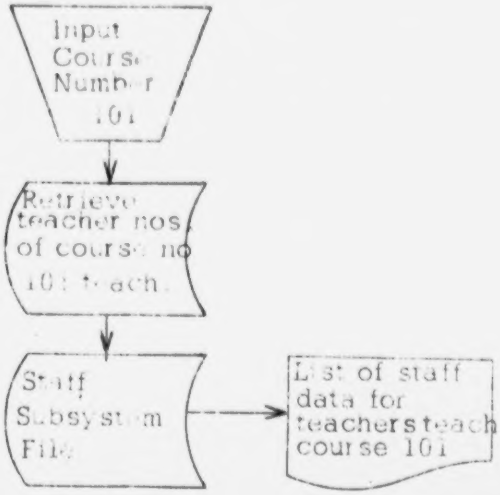
1. Finance - control key is account number
2. Staff - control key is staff number
3. Facilities - control key is room number.
4. Pupils - control key is pupil identification number.
5. Community - control key is district and school number.

All subsystem files can be accessed by searching the appropriate files on the control key specified above or by interrogating the master schedule file to determine the applicable keys. As an example, if the question was asked: "What mix of resources are devoted to the offering of course number 101 - Spanish III?" the information may be obtained from the subsystem files as follows:

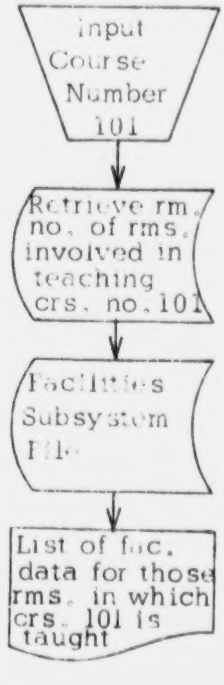
1. Finance data directly related to course number 101 may be obtained by accessing the finance subsystem file since the course number is contained in the account number structure.



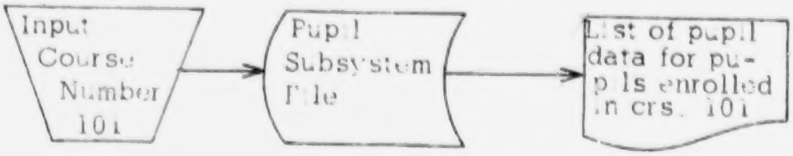
2. Staff data relating to course number 101 may be obtained by interrogating the master schedule file to determine the teacher code numbers of those staff members involved in teaching course number 101.


Input Course Number 101
Retrieve teacher nos. of course no 101 teach.
Staff Subsystem File
List of staff data for teachers teach course 101

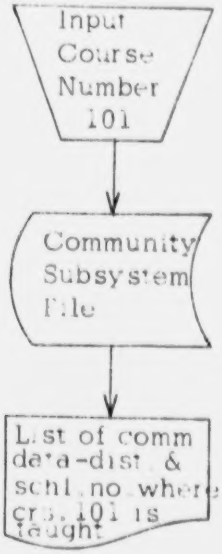
3. Facilities data relating to course number 101 are obtained by accessing the master file to determine the room numbers in which course number 101 is taught. The room numbers are then used as keys to locate additional room data contained in the facilities subsystem file.


Input Course Number 101
Retrieve rm. no. of rms. involved in teaching crs. no. 101
Facilities Subsystem File
List of fac. data for those rms. in which crs. 101 is taught

4. Pupil data for pupils enrolled in course number 101 is available by searching the pupil subsystem file for pupils scheduled into course number 101

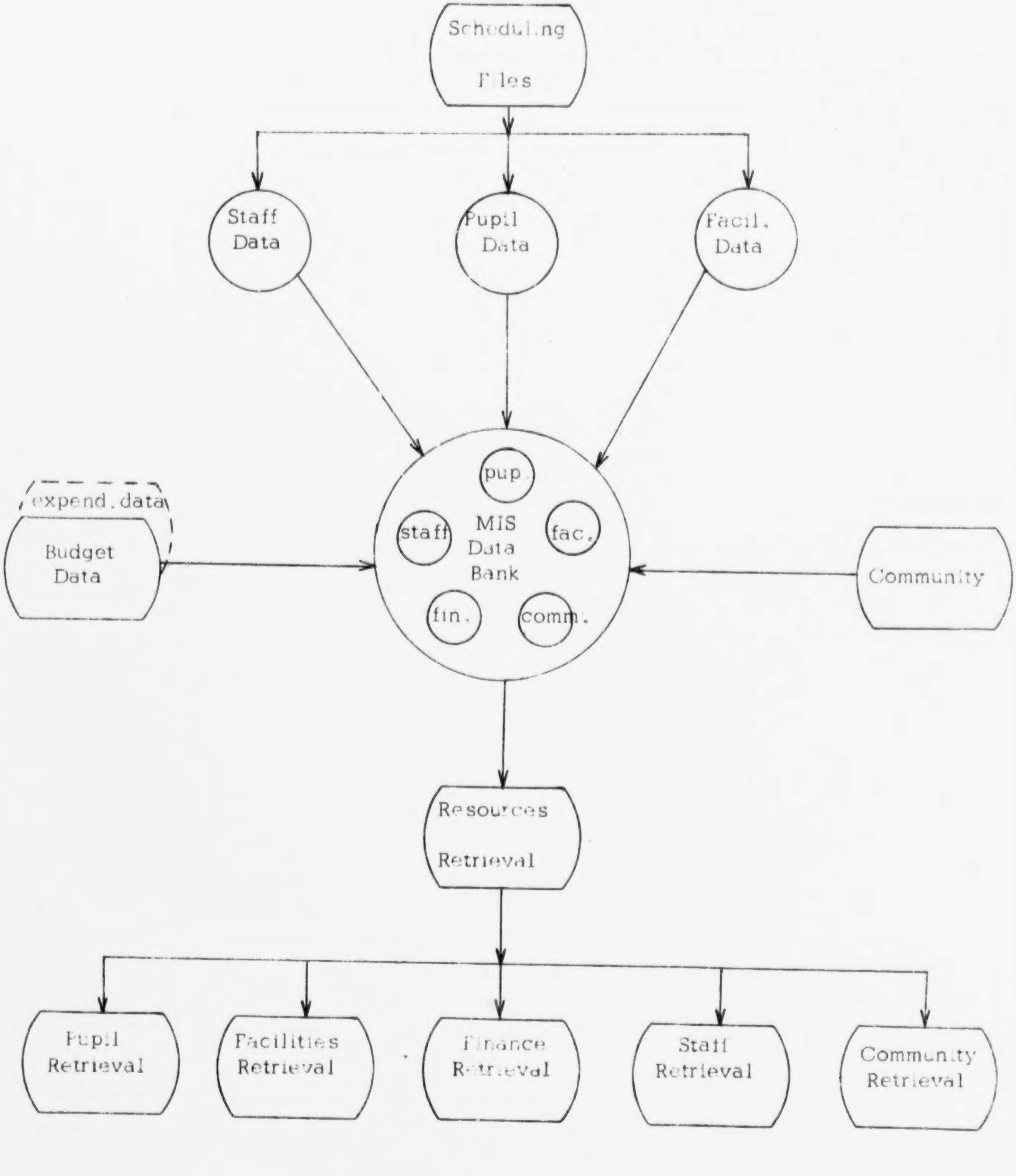

Input Course Number 101
Pupil Subsystem File
List of pupil data for pupils enrolled in crs. 101

5. Community data related to course number 101 may be obtained with two major foci in mind. One focus is intended to bring together the community characteristics (as reflected by students entering the educational environment) which have bearing on pupil input before the course exposure. The second focus is on the perceived effects of offering the instruction on the makeup of the community. This second is an output focus in that the acceptability of the output to the community as input forms a viable source of evaluation of present practice.


Input Course Number 101
Community Subsystem File
List of comm data-dist. & schl. no. where crs. 101 is taught

Other inquiries may be satisfied using the same file keys but in different sequence than that shown for course inquiries. For example, all data related to an individual teacher could be gleaned by entering the teacher code which, through the master schedule file, would define the file keys related to that teacher. You could then retrieve finance, staff, facilities, pupil, and community data relative to that specific teacher.

The design of the satellite file system revolving around the master schedule file enables us to more economically update the files involved and still maintain file interrelatedness. By using the master schedule file, and the keys contained thereon, all files in the system are tied to each other. Since much of the data contained in the staff, facility, finance, pupil, and community files are static in nature, the updating procedure when a new master schedule is created is greatly simplified. Additionally, update to the subsystem files may be made without disturbing those subsystem files which are not involved in the desired change.


Scheduling Files
Staff Data
Pupil Data
Facil. Data
expend. data
Budget Data
pup.
staff
MIS Data Bank
fac.
fin.
comm.
Community
Resources Retrieval
Pupil Retrieval
Facilities Retrieval
Finance Retrieval
Staff Retrieval
Community Retrieval

IV

FINANCE TRACT OF MIS AND PPBES

A Planning, Programming, Budgeting, Evaluation System (PPBES) is an integrated system to provide educators with more and better information for planning programs, and for making choices among optional ways funds can be devoted to achieve educational goals. Thus the program budget is more than a method of budgeting by program. It is an overall approach to planning, decision-making and evaluation designed to improve the use of resources in the achievement of goals.

The Management Information System (MIS) serves the PPBES concept by making available the information required to carry out the activities of the four components of program budgeting. Haggert (1971) has identified these components.

1. Structure - objectives and program structure
2. Analysis - identification of alternative ways of meeting objectives and cost-effectivenessanalysis
3. Control - quality of implementation of ways to meet objectives
4. Information - support for the analytical and control processes.

The Management Information System, by providing information in five tract areas, supports the activities of the four components. The five tracts contain information on pupils, personnel, finance, facilities, and community.

The most important single task to be accomplished is moving to a program budget is the development of a program structure. Haggart (1971) describes two approaches to the development of a program structure; prescriptive and descriptive. The former approach "defines programs according to a conception of what the schools ought to be doing. The latter is more descriptive. It identifies programs and objectives inductively from relationships among actual, ongoing activities." The Finance Tract of the Management Information System has approached the task of developing a program structure descriptively. This seems like a more practical approach, but it does not rule out the possibility of moving toward "what schools ought to be doing." Figure 1 illustrates the program structure developed for the Finance Tract.

FINANCE TRACT STRUCTURE

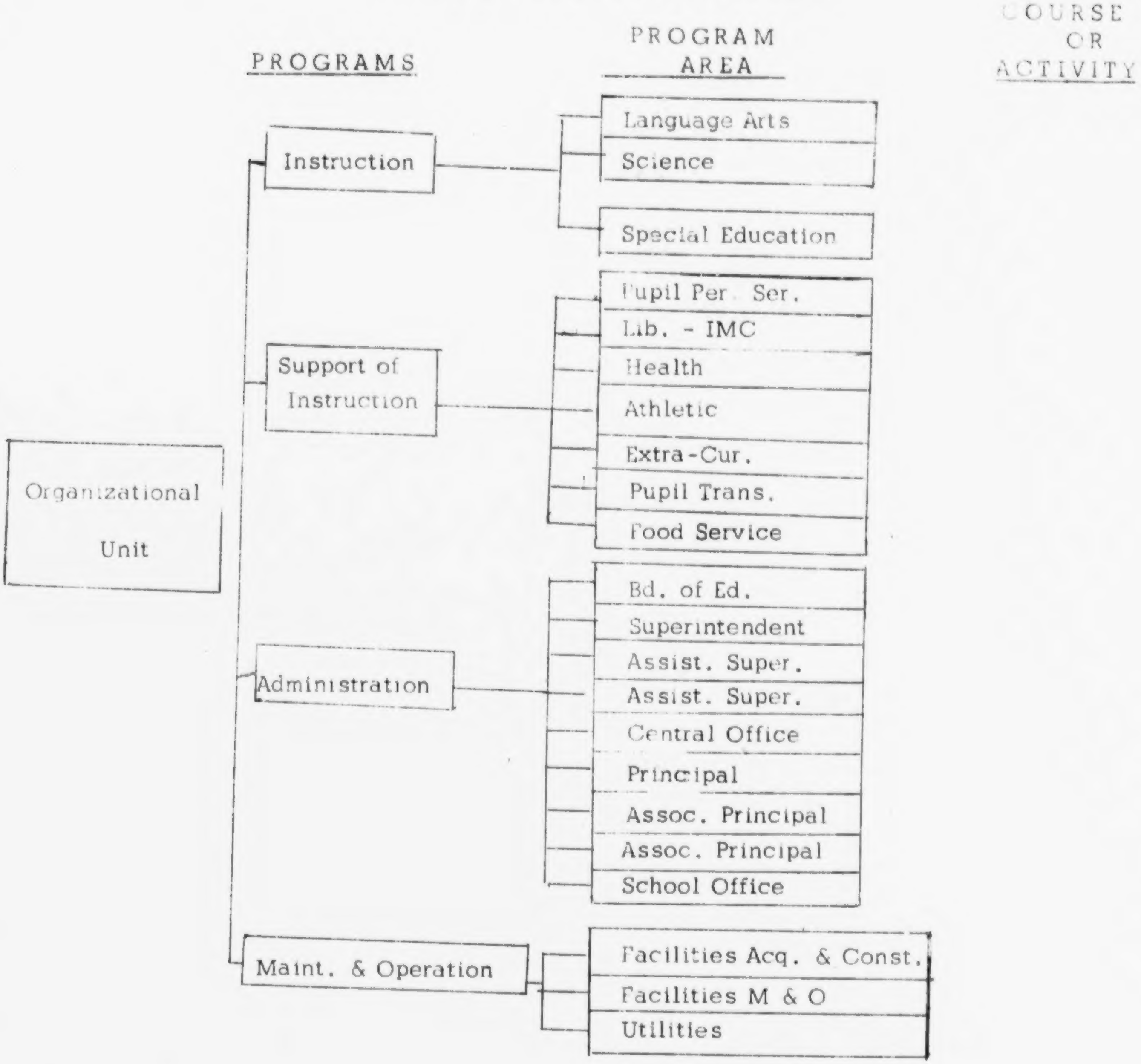

PROGRAMS
PROGRAM AREA
COURSE OR ACTIVITY
Organizational Unit
Instruction
Support of Instruction
Administration
Maint. & Operation
Language Arts
Science
Special Education
Pupil Per. Ser.
Lib. - IMC
Health
Athletic
Extra-Cur.
Pupil Trans.
Food Service
Bd. of Ed.
Superintendent
Assist. Super.
Assist. Super.
Central Office
Principal
Assoc. Principal
Assoc. Principal
School Office
Facilities Acq. & Const.
Facilities M & O
Utilities

Figure 1

This structure is reflected in the program-oriented account coding system:

Fiscal Year	Fund	Organizational Unit	Program	Department	Activity	Expenditure Types
XX	XX	XXX	XX	XX	XXX	XXXX

Each of these code number fields is defined in the section containing the complete Program-Oriented Account Code System.

The Finance Tract of MIS is to serve as a tool for financial management and operation of the school district. Planning the school district budget is an important phase of this operation. Budget development follows a process illustrated by Figure 2.

THE BUDGETING PROCESS

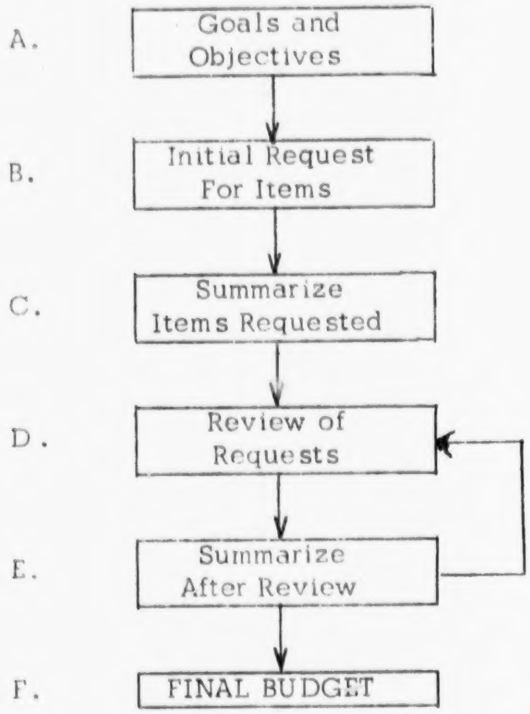

A.
Goals and Objectives
B.
Initial Request For Items
C.
Summarize Items Requested
D.
Review of Requests
E.
Summarize After Review
F.
FINAL BUDGET

Figure 2

Step A in the process requires that activities (objectives) be identified. Then Step B is a listing of initial requests for resources to carry out the activities (objectives). These initial requests are prepared on Form F-FI-1, F-FI-2, F-FI-4, and F-FI-5. These forms are designed to provide computer input; the computer processing then does the arithmetic involved and summarizes the items in the appropriate catagories (Step C). At this point, the first "run" of the budget is completed. Steps D and E then provide for as many "runs" as might be required to consider alternatives and make adjustments until the final budget, which is within the resource limits of the school district, is developed (Step F).

The forms used for computer input, the Program-Oriented Account Code System, and a sample school budget follow.

F-FI-1

BUDGET PROCESS TRANSACTIONS
CERTIFIED SALARIES

YEAR ☐ FUND ☐ ORG. UNIT NO. ☐ NAME ______ DATE ______ PAGE ____

PROGRAM ☐ BUDGET RESPONSIBILITY CHAIRMAN ______ FUNCTION OBJECT NO.* ☐

PROG AREA	CRS ACT.	EXP. CODE	SEQ. NO.	TCHR CODE	TEACHER NAME		COURSE NAME	SALARY CHARGE	PCT.	TOTAL SALARY
					LAST NAME	I.				

*Only one Function Object code number per page

F-FI-2

PROCESS TRANSACTION
NON-CERTIFIED SALARIES

YEAR ☐ FUND ☐ ORG. UNIT NO. ☐ ☐ DATE _/_/_ PAGE _/_

PROGRAM ☐ BUDGET RESPONSIBILITY CHA ___ FUNCTION/OBJECT NO.* ☐

PROG AREA	CRS/ ACT.	EXP. CODE	SEQ. NO.	POS. CODE	NAME	[illegible] CHARGE	SALARY BREAKDOWN $/HOUR	HR/DA	DA/YR	PCT. ASSN.	TOTAL SALARY

* Only one Function/Object code number per page.

F-FI-4

SUPPLIES, EQUIPMENT, CAPITAL OUTLAY, [illegible] CONTRACTED SERVICES, AND OTHER COSTS

YEAR ☐ FUND ☐ ORG. UNIT NO. ☐ NAME ☐ DATE __/__/__ PAGE __/__

PROGRAM ☐ BUDGET RESPONSIBILITY CHAIRMAN ____________ FUNCTION/OBJECT NO.* ☐.☐

PROG. AREA	CRS/ ACT.	EXP. CODE	SEQ. CODE	VENDOR NO.	DESCRIPTION	CATALOG NO. OR IDENT.	PCT.	QUANT.	UNIT COST

* Only one Function/Object code number per page

F-FI-5

INSTRUCTIONAL MATERIALS

YEAR ___ FUND ___ ORG. UNIT NO. ___ NAME ___ DATE __/__/__ PAGE ___/___

PROGRAM ___ BUDGET RESPONSIBILITY CHAIRMAN ___ FUNCTION/OBJECT NO.* ___

PROG AREA	CRS/ ACT.	EXP. CODE	SEQ. NO.	PUB./ VEND NO.	AUTHOR	TITLE	PCT.	QUANT.	UNIT COST

* Only one Function/Object code number per page

PROGRAM-ORIENTED ACCOUNT CODE NUMBER SYSTEM

Fiscal Year	Fund	Organizational Unit	Program	Department	Course or Activity	Expenditure
XX	XX	XXX	XX	XX	XXX	XXXX

Definitions:

Fiscal Year: A fiscal year is the twelve month period of time to which the annual budget applies. A fiscal year is coded by a two digit number representing the last digits of the calendar year in which the fiscal year ends.

Fund: This two digit number relates the expenditure to the source of revenue.

Organizational Unit: The first digit of the three digit code number indicates the educational level, elementary, junior high, senior high, or total system. The last two digits identify the building or cost center.

Program: This two digit number identifies the major divisions within the cost center. Four major programs have been identified: instruction, support of instruction, administration, maintenance, and operations.

Department: This two digit code number identifies related clusters of courses or activities that take place in a given program. For example, in the Instructional Program, language arts, mathematics, science, etc. are departments; in the Support of Instruction Program, Pupil Personnel Services, Educational Technology are departments.

Course or Activity: This three digit number specifies the lowest level to which costs are assigned. In the instructional areas, these are courses which students take within a department. In other programs, these are departmental activities to which costs are assigned. (In the future, this field will be used to identify specific objectives of departments to which costs are assigned.)

Expenditure: The first digit of this four digit number identifies the type of expenditure. Nine types of expenditures have been identified: certified salaries, non-certified salaries, employee benefits, supplies, instructional materials, repair and replacement of equipment, capital outlay, contracted services, and other costs. The last three digits are available for further specification of expenditure type.

FISCAL YEAR (XX)

70	FY	1970
71	FY	1971
72	FY	1972
73	FY	1973
74	FY	1974
75	FY	1975
76	FY	1976
77	FY	1977
78	FY	1978
79	FY	1979

FUND (XX)

- 10 General Fund
- 20 Schoolhouse Fund
  - 21 Schoolhouse
  - 22 School Site
  - 23 Bond
- 30 Federal Projects
  - 31 Title I
  - 32 Head Start
  - 33 Career Education
- 40 Clearing Accounts

ORGANIZATIONAL UNIT (XXX)

Elementary 400-499

400	All Elementary Schools
409	Garfield
418	Grant
427	Harding
436	Hoover
445	Jefferson
454	Lincoln
459	Central Heights
463	Madison
472	McKinley
481	Roosevelt
490	Washington
499	Wilson

Junior High 200-299

200	All Junior High Schools
209	John Adams
218	Monroe
227	Roosevelt

ORGANIZATIONAL UNIT (XXX)
(Continued)

High School	100-199	
	100	All High Schools
	109	Senior High School
System Wide		
	500	Central Office (all levels)

PROGRAMS (XX)

10	Instruction (regular school year)
11	Instruction (summer)
12	Instruction (Special Education)
20	Support of Instruction
30	Administration
40	Maintenance and Operation

Program (XX)	Department (XX)	Course (XXX)
10 Instruction		
	01 Foreign Language	
	02 Social Studies	
	03 Mathematics	
	04 Science	
	05 Business Education	
	06 Office Coop.	
	07 D. E. Coop.	
	08 Home Economics	
	09 Vocational Agriculture	
	10 Trades and Industry	
	11 Industrial Arts	
	12 Art	
	13 Vocal Music	
	14 Instrumental Music	
	15 Physical Education	
	16 Driver Education	
	30 Language Arts	
	31 Reading	
	32 Spelling	
	33 Writing	
20 Support of Instruction		
	01 Pupil Personnel Services	
		050 Director
		100 Psychological
		200 Social Work
		300 Speech and Hearing
		400 Career Education
		500 Counseling and Guidance
		600 Testing Program
	02 Educational Technology	
		050 Director
		110 Materials review and selection
		120 Materials processing and cateloging
		130 Student Services
		140 Teacher Services
		150 Production Services
		200 Print Instructional Materials
		300 Non-print Instructional Materials

Program (XX)	Department (XX)	Course (XXX)
20 Support of Instruction		
	02 Educational Technology (continued)	
	400 Instructional Media	
	450 Equipment Repair and Maintenance	
	500 Central IMC	
	510 MIS Project	
	03 Health Services	
	04 Athletics	
	05 Extra Curricular	
	06 Pupil Transportation	
	001 Transportation, General	
	002 Vehicle Operation	
	003 Vehicle Maintenance and Servicing	
	004 Other Transportation Services	
	07 Food Service	
	001 Food Preparation and Serving	
	002 Food Delivery	
	003 Other Food Services	
30 Administration	Position (XX)	
	10 Board of Education	
	11 Board Secretary	
	12 Board Treasurer	
	20 Superintendent	
	21 Assistant Superintendent	
	22 Assistant Superintendent	
	23 Director of Elementary Education	
	24 Director of Secondary Education	
	40 Principal	
	41 Associate Principal	
	42 Associate Principal	
	50 Office	

*In the Administrative Program, activities are clustered by the administrative position.

ADMINISTRATIVE ACTIVITIES

- 900 Improvement of Instruction and Curriculum
  - 901 Supervision
  - 902 Curriculum Development
  - 903 Instructional Development
  - 909 Other

- 910 Research and Development
  - 911 Development
  - 912 Evaluation
  - 913 Planning
  - 914 Research
  - 919 Other

- 920 Data Processing
  - 921 Systems Analysis
  - 922 Programming
  - 923 Operations
  - 929 Other

- 930 Fiscal Services
  - 931 Budgeting
  - 932 Receiving and Disbursing
  - 933 Payroll
  - 934 Financial Accounting
  - 935 Purchasing
  - 939 Other

- 940 General Services
  - 941 Warehousing and Distribution
  - 942 Printing, Publication, and Duplication Services
  - 943 General Administration
  - 949 Other

- 950 Information Services
  - 951 Internal Information
  - 952 Public Information
  - 953 Community Relations
  - 959 Other

- 960 Staff Services
  - 961 Recruitment and Placement
  - 962 Staff Accounting
  - 963 In-service Education
  - 964 Coordination of Staff
  - 969 Other

ADMINISTRATIVE ACTIVITIES (continued)

- 970 Debt Service
    - 971 Bond Redemption
    - 972 Long-Term Loan
    - 973 Short-Term Loan
    - 974 Current Loan
    - 979 Other

- 980 Pupil Services
    - 981 Supervision of Student Personnel
    - 982 Attendance Services
    - 983 Mark Reporting
    - 984 Student Scheduling
    - 985 Commencement
    - 986 Student Records
    - 987 Student Assemblies
    - 989 Other Services

- 990 Office Operation

Program (XX) Activity (XXX)

40 Maintenance and Operation

Department (XX)

- 01 Facilities Acquisition and Construction
  - 100 Land Acquisition
  - 200 Land Improvement
  - 300 Architecture and Engineering
  - 400 Building Acquisition
  - 500 Improvement and Construction
- 02 Facilities Maintenance and Operation (Regular School Year)
  - 110 General Maintenance and Operation
  - 120 Site Maintenance
  - 130 Site Operation
  - 140 Building Maintenance
  - 150 Building Operation
    - 155 Community Activity
  - 160 Mechanical Maintenance
    - 161 Heating
    - 162 Sewer and Plumbing
- 03 Facilities Maintenance and Operation (Summer)
  - 110 General Maintenance and Operation
  - 120 Site Maintenance
  - 130 Site Operation
  - 140 Building Maintenance
  - 150 Building Operation
    - 155 Community Activity
  - 160 Mechanical Maintenance
    - 161 Heating
    - 162 Sewer and Plumbing
- 04 Utilities
  - 100 Electricity
    - 101 Lights
    - 102 Power
    - 103 Air Conditioning
    - 109 Other
  - 200 Water and Sewer
  - 300 Gas
    - 301 Heating
    - 302 Kitchens
    - 303 Classrooms
    - 309 Other

DEFINITIONS OF EXPENDITURES

Certified Salaries: Salaries paid to staff members in positions which require certification by the State Department of Public Instruction. (Expenditure type serves as a position code.)

Non-Certified Salaries: All salaries and wages paid which are not classified as certified salaries. (Expenditure type serves as a position code.)

Employee Benefits: Those expenses for employee retirement and other fringe benefits.

Supplies: Items which are categorized as supplies must meet at least one of the following criteria: 1) consumable, 2) item is processed in same way before use, or 3) item costs less than ten dollars.

Materials: Print and non-print items which are purchased or rented in a form which is directly usable. Examples include: books, films, tape recordings, etc.

Repair and Replacement of Equipment: Expenditures for the repair and replacement of capital outlay equipment.

Capital Outlay: Expenditures made for equipment costing more than ten dollars and expenditures for new construction or remodeling of facilities.

Contracted Services: Those services which are jobbed out to agencies or individuals outside of the school system.

EXPENDITURES

- 1000 Certified Salaries
  - 1100 Instruction
    - 1110 Department Chairmen
    - 1120 Team Leader
    - 1130 Teacher
    - 1140 Teacher Associate
    - 1150 Substitute Teacher
  - 1200 Support of Instruction
    - 1210 Director
    - 1220 Coordinator
    - 1230 Librarian
    - 1240 Nurse
    - 1250 Counselor
    - 1260 Extra Curricular Activity Sponsor
      - 1261 Athletics (coach)
      - 1262 Activity Sponsor
    - 1270 Psychologist
    - 1280 Social Worker
    - 1290 Therapist
      - 1291 Speech
  - 1300 Administration
    - 1310 Superintendent
    - 1320 Assistant Superintendent
    - 1330 Director
    - 1340 Coordinator
    - 1350 Principal
    - 1360 Associate Principal
    - 1370 Administrative Assistant
    - 1380 Supervisor

- 2000 Non-Certified Salaries
  - 2010 Teacher Aide
  - 2020 Lay Reader
  - 2030 Lab Assistant
  - 2040 Secretary
  - 2050 Clerk
  - 2060 Technician
  - 2070 On-The-Job Trainee
  - 2080 Student Worker
  - 2090 Typist
  - 2100 Switchboard Operator
  - 2110 Supervisor
  - 2120 Custodian
  - 2130 Head Custodian
  - 2140 Painter
  - 2150 Grounds Keeper
  - 2160 Carpenter
  - 2170 Mason

- 3000 Employee Benefits
  - 3010 Social Security
  - 3020 State Retirement
  - 3030 Health Insurance
  - 3040 Life Insurance
  - 3050 Workmen's Compensation

- 4000 Supplies and Equipment
  - 4100 Supplies and Equipment
    - 4110 Instructional Supplies
    - 4120 Library and A-V Supplies
    - 4130 Office Supplies
    - 4140 Health Supplies
    - 4150 Transportation Supplies
    - 4160 Food Service Supplies
    - 4170 Maintenance Supplies
    - 4180 Other Supplies

5000 Instructional Materials

5100 Print Materials

5110 Textbooks
5120 Reference Books
5130 Magazines and Journals
5140 Reprints
5150 Pamphlets
5160 Workbooks and Weeklies
5170 Testing Materials
5180 Music
5190 Other print materials

5200 Non-Print Materials - Purchased

5210 Records
5211 Cassette Tapes
5212 Reel Tapes

5240 Filmstrips
5241 Slides, 35 mm.
5242 8 mm. Motion Picture
5243 Transparency

5270 Sound Filmstrip
5271 16 mm. Sound Motion Picture
5272 Sound w/Slides
5273 Sound w/Transparency
5274 Video Tape

5300 Non-Print Materials - Rentals

5310 Records
5311 Cassette Tapes
5312 Reel Tapes

5340 Filmstrips
5341 Slides, 35 mm.
5342 8 mm. Motion Pictures
5343 Transparency

5370 Sound Filmstrips
5371 16 mm. Sound Motion Picture
5372 Sound w/Slides
5373 Sound w/Transparency
5374 Video Tape

- 5400 Replacement of Print Materials
  - 5410 Textbooks
  - 5420 Reference Books
  - 5430 Magazines and Journals
  - 5440 Reprints
  - 5450 Pamphlets
  - 5460 Workbooks and Weeklies
  - 5470 Testing Materials
  - 5480 Music
  - 5490 Other Print Materials

- 5500 Replacement of Non-Print Materials
  - 5510 Records
  - 5511 Cassette Tape
  - 5512 Reel Tape

  - 5540 Filmstrip
  - 5541 Slides, 35 mm.
  - 5542 8 mm. Motion Picture
  - 5543 Transparency

  - 5570 Sound Filmstrip
  - 5571 16 mm. Sound Motion Picture
  - 5572 Sound w/Slides
  - 5573 Sound w/Transparency
  - 5574 Video Tape

- 6000 Repair and Replacement of Equipment
  - 6100 Replacement of Equipment
    - 6110 Instructional equipment replacement
    - 6120 Library and A-V equipment replacement
    - 6130 Office Equipment replacement
    - 6140 Health equipment replacement
    - 6150 Transportation equipment replacement
    - 6160 Food Service equipment replacement
    - 6170 Maintenance equipment replacement
    - 6180 Other equipment replacement

6200 Repair of Equipment

6210	Instructional equipment repair
6220	Library and A-V equipment repair
6230	Office equipment repair
6240	Health equipment repair
6250	Transportation equipment repair
6260	Food Service equipment repair
6270	Maintenance equipment repair
6280	Other equipment repair

7000 Capital Outlay

7100 New Equipment

7110	Instructional equipment
7120	Library and A-V equipment
7130	Office equipment
7140	Health equipment
7150	Transportation equipment
7160	Food Service equipment
7170	Maintenance equipment
7180	Other capital outlay equipment

7200	New Construction
7300	Building Alterations

8000 Contracted Services

8010 Postal Service

8100 Insurance and Bond Premiums

8110	Property Insurance
8120	Liability Insurance
8130	Fidelity Bond Premiums
8140	Vehicle Insurance

8200 Professional Services

8210	Legal Services
8220	Educational Consultants
8230	Auditing Service
8240	Instructional Services
8250	Educational T-V
8260	Dental Services

- 8300 Technical Services
  - 8310 Test Scoring
  - 8320 Photographic Services
  - 8330 Computer Services
  - 8340 Police Service
  - 8350 Printing and Copying

- 8400 Transportation
  - 8410 Mileage (within district)
  - 8420 Mileage (outside district)
  - 8430 Commercial Transportation

- 8500 Reimbursements
  - 8510 Subsistence
  - 8520 Lodging
  - 8530 Tuition

- 8600 Dues and Memberships

- 8700 Communications
  - 8710 Telephone and Telegraph

- 8800 Repair and Maintenance Service
  - 8810 Instructional
    - 8811 Book Rebinding
  - 8820 Library and Audio-Visual
  - 8830 Office
  - 8840 Health
  - 8850 Transportation
  - 8860 Food Service
  - 8870 Maintenance
    - 8871 Heating and Ventilation System
    - 8872 Air-Conditioning System
    - 8873 Plumbing
    - 8874 Electrical
    - 8875 Clocks and Signals
    - 8876 Roofing
    - 8877 Painting
  - 8890 Other

9000 Other Costs

- 9100 Resale
- 9200 Debt Service
- 9300 Contingency

```
P R O P O S E D   B U D G E T   S U M M A R Y - - D E P A R T M E N T - - - - ALL DEPTS
   FOR APOLLO COMMUNITY SCH DIST      DATE FEBRUARY 28, 1972      RUN NO. 005

                                        P R O G R A M - - ALL PROGRAMS

                                        B U I L D I N G - - ALL SCHOOLS

                                        L E V E L - - - - - ELEMENTRY
                                                             JUNIOR HIGH
                                                             SENIOR HIGH

        PROGRAM      WITHIN  BUILDING      BY DISTRICT
```

A

B

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               P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - -  APOLLO COMMUNITY SCH DIST
               PROGRAM      WITHIN  BUILDING      BY DISTRICT
 DIST--3141       SCHOOL  PROGRESS CITY JR HIGH                   RUN NO. 005                         FEBRUARY 28, 1972      PAGE    1
               CERT.           N-CERT.             EMP.        SUP. &      MATLS       REP. &      CAP.        CONT.       OTHER       TOTAL
PROGRAM        SAL.            SAL.                PEN.        EQUIP.                  REPL.       OUT.        SERV.       COSTS

 INSTRUCTION    390,595          4,410                          10,500       7,596       5,439       3,599          10          111     422,255

 SUPRT-INSTR     22,683                                          3,327       2,885                   3,826                               32,723

 ADMINISTRATE    35,000          7,212                           4,924         336                      29         350          350      48,202

 MAINTENANCE                    30,205                             982                                            3,250                  34,437

 BUILDG  209    448,278         41,827                          19,734      10,821       5,439       7,445       3,610          461     537,618

 JUNIOR HIGH    448,278         41,827                          19,734      10,821       5,439       7,445       3,610          461     537,618

 DIST 3141      448,278         41,827                          19,734      10,821       5,439       7,445       3,610          461     537,618
```

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PROPOSED BUDGET SUMMARY--DEPARTMENT----ALL DEPTS
   FOR APOLLO COMMUNITY SCH DIST     DATE FEBRUARY 28, 1972     RUN NO. 005

                                   PROGRAM--ALL PROGRAMS

                                   BUILDING--ALL SCHOOLS

                                   LEVEL-----ELEMENTRY
                                             JUNIOR HIGH
                                             SENIOR HIGH

        DEPARTMENT   WITHIN   PROGRAM      BY DISTRICT
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                    OSED  BUDGET  SUMMARY--DISTRICT--  APOLLO COMMUNITY SCH DIST
                  --   NT   WITHIN  PROGRAM      BY DISTRICT
  DIST--3141        SCHOOL  PROGRESS CITY JR HIGH          RUN NO. 005               FEBRUARY 28, 1972    PAGE    1
 DEPARTMENT      CERT.        N-CERT.          EMP.      SUP. &      MATLS     REP. &     CAP.      CONT.      OTHER       TOTAL
                 SAL.         SAL.             PEN.      EQUIP.                REPL.      OUT.      SERV.      COSTS
 01 FOR.LANG.     11,731                                               194                                                11,925
 02 SOC.STU.      55,343                                     88        721                                                56,152
 03 MATH          68,946                                     53        408        50        11                            69,468
 04 SCIENCE       65,199                                  4,272      2,480        52        53                            72,057
 05 BUS.EDUC.                                                           50     1,120                  10                   1,180
 08 HOME EC.      31,001       2,109                      1,209        213       845       554                            35,934
 11 IND. ARTS     34,345                                  1,418        460     1,559     2,652                  111       40,547
 12 ART           17,265                                  1,122                                                           18,387
 13 VOC MUSIC     11,973         280                         21        517                 104                            12,897
 14 INST MUSIC    14,589                                               650     1,484                                      16,724
 15 PHYS. ED.     30,265         183                      1,967                  318       213                            32,947
 30 LANG.ARTS     49,035       1,837                        175      1,810                                                52,858
 40 SPEC. ED.        901                                    171         92         9                                       1,174
    INSTRUCTION  390,595       4,410                     10,500      7,598     5,439     3,589        10        111      422,255
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P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - - APOLLO COMMUNITY SCH DIST
DIST--3141 DEPARTMENT WITHIN PROGRAM BY DISTRICT
SCHOOL PROGRESS CITY JR HIGH
RUN NO. 005 FEBRUARY 28, 1972 PAGE 2

DEPARTMENT	CERT. SAL.	N-CERT. SAL.	EMP. BEN.	SUP. & EQUIP.	MATLS	REP. & REPL.	CAP. OUT.	CONT. SERV.	OTHER COSTS	TOTAL
01 PU.PERS.SV				37	376					413
02 ED.TECH.	16,183			3,241	2,477		2,486			24,388
04 ATHLETICS	6,150			48			1,235			7,434
05 EX.CURR.	350				31					381
13							104			104
SUPRT-INSTR	22,683			3,327	2,885		3,826			32,723

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P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - - APOLLO COMMUNITY SCH DIST
DIST--3141 DEPARTMENT WITHIN PROGRAM BY DISTRICT
SCHOOL PROGRESS CITY JR HIGH
RUN NO. 005 FEBRUARY 23, 1972 PAGE 3

DEPARTMENT	CERT. SAL.	N-CERT. SAL.	EMP. BEN.	SUP. & EQUIP.	MATLS	REP. & REPL.	CAP. OUT.	CONT. SERV.	OTHER COSTS	TOTAL
40 PRINCIPAL	35,000									35,000
50 SCH.OFFICE		7,212		4,924	336		29	350	350	13,202
ADMINISTRATE	35,000	7,212		4,924	336		29	350	350	48,202

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                 P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - -  APOLLO COMMUNITY SCH DIST
                 DEPARTMENT   WITHIN  PROGRAM       BY DISTRICT
  DIST--3141         SCHOOL   PROGRESS CITY JR HIGH
                 CERT.        N-CERT.                           RUN NO. 005                       FEBRUARY 28, 1972    PAGE    4
DEPARTMENT       SAL.         SAL.           EMP.      SUP. &      MATLS      REP. &     CAP.      CONT.      OTHER         TOTAL
                                             PEN.      EQUIP.                 REPL.      OUT.      SERV.      COSTS
02 FAC.MT.O R                   28,945                    982                                        3,250                  33,177
03 FAC.MT.O S                    1,260                                                                                       1,260
   MAINTENANCE                  30,205                    982                                        3,250                  34,437
   BUILDG  209    448,278       41,827                 19,734     10,821      5,439      7,445       3,610        461      537,618
   JUNIOR HIGH    448,278       41,827                 19,734     10,821      5,439      7,445       3,610        461      537,618
   DIST 3141      448,278       41,827                 19,734     10,821      5,439      7,445       3,610        461      537,618
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P R O P O S E D   B U D G E T   S U M M A R Y - - D E P A R T M E N T - - - - ALL DEPTS
  FOR APOLLO COMMUNITY SCH DIST     DATE FEBRUARY 28, 1972     RUN NO. 005

                                     P R O G R A M - - ALL PROGRAMS

                                     B U I L D I N G - - ALL SCHOOLS

                                     L E V E L - - - - - ELEMENTRY
                                                         JUNIOR HIGH
                                                         SENIOR HIGH

     COURSE       WITHIN  DEPARTMENT   BY DISTRICT
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                          O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - -  APOLLO COMMUNITY SCH DIST
DIST--3141       --   SCHOOL  WITHIN DEPARTMENT  BY DISTRICT      D E P A R T M E N T - - - - FOR.LANG.
                              PROGRESS CITY JR HIGH           RUN NO. 005                  FEBRUARY 28, 1972    PAGE    1
COURSE           CERT.        N-CERT.        EMP.      SUP. &     MATLS     REP. &    CAP.      CONT.     OTHER     TOTAL
                 SAL.         SAL.           BEN.      EQUIP.               REPL.     OUT.      SERV.     COSTS

  341               3,362                                          38                                             3,400
  343               1,982                                                                                         1,982
  345               2,938                                                                                         2,938
  347               3,448                                         156                                             3,604
01 FOR.LANG.       11,731                                         194                                            11,925
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I

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                 P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - -  APOLLO COMMUNITY SCH DIST
DIST--3141       COURSE        WITHIN DEPARTMENT  BY DISTRICT      D E P A R T M E N T - - - - SOC.STU.
                    SCHOOL  PROGRESS CITY JR HIGH           RUN NO. 005                  FEBRUARY 28, 1972    PAGE    2
COURSE           CERT.        N-CERT.        EMP.      SUP. &     MATLS     REP. &    CAP.      CONT.     OTHER     TOTAL
                 SAL.         SAL.           BEN.      EQUIP.               REPL.     OUT.      SERV.     COSTS

  133              19,350                                25        280                                            19,655
  150               2,293                                                                                         2,293
  233              18,742                                25        271                                            19,039
  234               2,082                                           49                                            2,132
  331               7,725                                18         49                                            7,792
  335               5,150                                18         71                                            5,239
02 SOC.STU.        55,343                                88        721                                            56,152
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J

K

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                P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - -  APOLLO COMMUNITY SCH DIST
                COURSE       WITHIN  DEPARTMENT   BY DISTRICT      D E P A R T M E N T - - - - MATH
 DIST--3141        SCHOOL  PROGRESS CITY JR HIGH               RUN NO. 005                 FEBRUARY 28, 1972     PAGE    3
                CERT.        N-CERT.          EMP.        SUP. &    MATLS       REP. &      CAP.       CONT.     OTHER       TOTAL
  COURSE        SAL.         SAL.             BEN.        EQUIP.                REPL.       OUT.       SERV.     COSTS

   113           18,422                                       7                               5                            18,435

   115            2,778                                               258                                                   3,036

   200            1,527                                      38       150          50                                       1,766

   213           18,422                                       7                               5                            18,435

   215            2,778                                                                                                     2,778

   311            2,575                                                                                                     2,575

   313           13,484                                                                                                    13,484

   314            5,150                                                                                                     5,150

   315            3,808                                                                                                     3,808

 03 MATH         68,946                                      53       408          50        11                            69,468
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L

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                P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - -  APOLLO COMMUNITY SCH DIST
                COURSE       WITHIN  DEPARTMENT   BY DISTRICT      D E P A R T M E N T - - - - SCIENCE
 DIST--3141        SCHOOL  PROGRESS CITY JR HIGH               RUN NO. 005                 FEBRUARY 28, 1972     PAGE    4
                CERT.        N-CERT.          EMP.        SUP. &    MATLS       REP. &      CAP.       CONT.     OTHER       TOTAL
  COURSE        SAL.         SAL.             BEN.        EQUIP.                REPL.       OUT.       SERV.     COSTS

   123           16,954                                     340       511          22        53                            17,942

   223           22,534                                   3,052     1,052                                                  26,642

   250            5,184                                               350                                                   5,534

   322           20,523                                     878       566          30                                      21,997

 04 SCIENCE      65,194                                   4,272     2,480          52        53                            72,057
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                   P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - -  APOLLO COMMUNITY SCH DIST
                   COURSE      WITHIN  DEPARTMENT   BY DISTRICT      D E P A R T M E N T - - - - BUS.EDUC.
   DIST--3141         SCHOOL  PROGRESS CITY JR HIGH               RUN NO. 005                  FEBRUARY 28, 1972     PAGE     5
                   CERT.         N-CERT.          EMP.        SUP. &     MATLS        REP. &      CAP.      CONT.      OTHER       TOTAL
  COURSE           SAL.          SAL.             BEN.        EQUIP.                  REPL.       OUT.      SERV.      COSTS

   251                                                                                1,120                                        1,120

   300                                                                      50                              10                        60

 05 BUS.EDUC.                                                               50        1,120                 10                     1,180
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                      P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - -  APOLLO COMMUNITY SCH DIST
                          WITHIN  DEPARTMENT   BY DISTRICT      D E P A R T M E N T - - - - HOME EC.
   DIST--3141         SCHOOL  PROGRESS CITY JR HIGH               RUN NO. 005                  FEBRUARY 28, 1972     PAGE     6
                   CERT.         N-CERT.          EMP.        SUP. &     MATLS        REP. &      CAP.      CONT.      OTHER       TOTAL
  COURSE           SAL.          SAL.             BEN.        EQUIP.                  REPL.       OUT.      SERV.      COSTS

   166                            619                                                                                                619

   167              3,316                                                                                                          3,316

   168              2,379                                                                                                          2,379

   169              2,908                                       40                                                                 2,948

   266                            619                                                                                                619

   267              2,984                                                                                                          2,984

   268              2,141                                                                                                          2,141

   269              2,617                                                                                                          2,617

   350              2,321                                                                                                          2,321

   351                                                       1,023          23          539         20                             1,606

   361                                                          85          64          286        385                               821

   362                                                          59          90           20        149                               319

   366                            619                                                                                                619

   367              3,648                                                                                                          3,648

   368              2,616                                                                                                          2,616

   369              3,199                                                   28                                                     3,227

   370              2,868         252                                        8                                                     3,128

 08 HOME EC.       31,001       2,109                        1,209         213          845        554                            35,934
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P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - -   APOLLO COMMUNITY SCH DIST
COURSE   WITHIN DEPARTMENT   BY DISTRICT   D E P A R T M E N T - - - - IND. ARTS
DIST--3141   SCHOOL   PROGRESS CITY JR HIGH   RUN NO. 005   FEBRUARY 28, 1972   PAGE 7

COURSE	CERT. SAL.	N-CERT. SAL.	EMP. BEN.	SUP. & EQUIP.	MATLS	REP. & REPL.	CAP. OUT.	CONT. SERV.	OTHER COSTS	TOTAL
160							16			16
161	2,888			126	24	28				3,067
162	2,888			117	24	28				3,058
163	1,353			59	15	17				1,445
164	1,353			49	15	17				1,435
261	3,556			126	24	28				3,734
262	3,556			117	24	28				3,725
263	1,601			59	15	17				1,693
264	1,601			49	15	17				1,683
328	515			26	54	95	285			975
361	3,783			168	27	31				4,009
362	3,783			156	27	31				3,998
363	1,929			79	15	17				2,041
364	1,414			66	15	17				1,513
365	4,121			60	30	35				4,246
450					26	21	609			656
451				36	35				77	149
460				94	59					154
470				5	5	55	1,382		34	1,483
480				18	8	1,073	359			1,458
11 IND. ARTS	34,345			1,418	460	1,559	2,652		111	40,547

(P)

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               OSED  BUDGET  SUMMARY--DISTRICT--  APOLLO COMMUNITY SCH DIST
            COURSE     WITHIN  DEPARTMENT  BY DISTRICT     DEPARTMENT----ART
  DIST--3141     SCHOOL  PROGRESS CITY JR HIGH              RUN NO. 005              FEBRUARY 28, 1972     PAGE    8
               CERT.      N-CERT.          EMP.       SUP. &     MATLS      REP. &    CAP.      CONT.     OTHER        TOTAL
  COURSE       SAL.       SAL.             BEN.       EQUIP.                REPL.     OUT.      SERV.     COSTS

   171         7,229
                                                        139
                                                                                                                      7,368
   271         5,420
                                                        109
                                                                                                                      5,529
   371         4,616
                                                         79
                                                                                                                      4,695
   400
                                                        793
                                                                                                                        793
 12 ART       17,265
                                                      1,122
                                                                                                                     18,387
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Q

P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - - APOLLO COMMUNITY SCH DIST
COURSE   WITHIN DEPARTMENT   BY DISTRICT   D E P A R T M E N T - - - - VOC MUSIC
DIST--3141   SCHOOL PROGRESS CITY JR HIGH   RUN NO. 005   FEBRUARY 28, 1972   PAGE 9

COURSE	CERT. SAL.	N-CERT. SAL.	EMP. BEN.	SUP. & EQUIP.	MATLS	REP. & REPL.	CAP. OUT.	CONT. SERV.	OTHER COSTS	TOTAL
181	6,952									6,952
281	2,060									2,060
282	1,030	140								1,170
382	1,030	140								1,170
531				21	517		104			643
713	901									901
13 VOC MUSIC	11,973	280		21	517		104			12,897

R

JSED   B U D G E T   S U M M A R Y - - D I S T R I C T - - APOLLO COMMUNITY SCH DIST
WITHIN DEPARTMENT   BY DISTRICT   D E P A R T M E N T - - - - INST MUSIC
DIS   3L PROGRESS CITY JR HIGH   RUN NO. 005   FEBRUARY 28, 1972   PAGE 10

COURSE	CERT. SAL.	N-CERT. SAL.	EMP. BEN.	SUP. & EQUIP.	MATLS	REP. & REPL.	CAP. OUT.	CONT. SERV.	OTHER COSTS	TOTAL
186	4,273									4,273
195	1,639									1,639
286	4,273									4,273
386	4,403									4,403
525					650	1,484				2,134
14 INST MUSIC	14,589				650	1,484				16,724

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JSED BUDGET SUMMARY--DISTRICT-- APOLLO COMMUNITY SCH DIST
WITHIN DEPARTMENT BY DISTRICT DEPARTMENT---- PHYS. ED.
DIST--3141 SCHOOL PROGRESS CITY JR HIGH RUN NO. 005 FEBRUARY 28, 1972 PAGE 11

COURSE	CERT. SAL.	N-CERT. SAL.	EMP. BEN.	SUP. & EQUIP.	MATLS	REP. & REPL.	CAP. OUT.	CONT. SERV.	OTHER COSTS	TOTAL
196		183								183
500				1,967		318	213			2,498
501	19,210									19,210
510	11,055									11,055
15 PHYS. ED.	30,265	183		1,967		318	213			32,947

Ⓣ

PROPOSED BUDGET SUMMARY--DISTRICT-- APOLLO COMMUNITY SCH DIST
COURSE WITHIN DEPARTMENT BY DISTRICT DEPARTMENT---- LANG.ARTS
DIST--3141 SCHOOL PROGRESS CITY JR HIGH RUN NO. 005 FEBRUARY 28, 1972 PAGE 12

COURSE	CERT. SAL.	N-CERT. SAL.	EMP. BEN.	SUP. & EQUIP.	MATLS	REP. & REPL.	CAP. OUT.	CONT. SERV.	OTHER COSTS	TOTAL
001		1,837		10	75					1,923
103	10,283			5	283					10,572
105	3,291			5	130					3,427
203	12,279				426					12,705
205	2,376				90					2,466
303	12,591			3	467					13,062
305	4,248				127					4,376
307	1,349			75						1,423
309	634			75	40					749
310	1,982				168					2,150
30 LANG.ARTS	49,035	1,837		175	1,810					52,858

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                   P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - -  APOLLO COMMUNITY SCH DIST
                   COURSE       WITHIN DEPARTMENT    BY DISTRICT       D E P A R T M E N T - - - - SPEC. ED.
    DIST--3141        SCHOOL   PROGRESS CITY JR HIGH               RUN NO. 005
                   CERT.           N-CERT.                                                         FEBRUARY 28, 1972      PAGE   13
  COURSE           SAL.            SAL.            EMP.        SUP. &      MATLS      REP. &      CAP.        CONT.        OTHER        TOTAL
                                                   BEN.        EQUIP.                 REPL.       OUT.        SERV.        COSTS

    181                  901                                                                                                            901
    700                                                            50                                                                    50
    702                                                                        40                                                        40
    703                                                             2          15                                                        17
    711                                                           119                     9                                             128
    730                                                                        12                                                        12
    731                                                                        24                                                        24
 40 SPEC. ED.            901                                      171          92         9                                           1,174
   INSTRUCTION     390,595          4,410                       10,500       7,598      5,439       3,589          10          111     422,255
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v

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                   P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - -  APOLLO COMMUNITY SCH DIST
                   COURSE       WITHIN DEPARTMENT    BY DISTRICT       D E P A R T M E N T - - - - PU.PERS.SV
    DIST--3141        SCHOOL   PROGRESS CITY JR HIGH               RUN NO. 005
                   CERT.           N-CERT.                                                         FEBRUARY 28, 1972      PAGE   14
  COURSE           SAL.            SAL.            EMP.        SUP. &      MATLS      REP. &      CAP.        CONT.        OTHER        TOTAL
                                                   BEN.        EQUIP.                 REPL.       OUT.        SERV.        COSTS

    250                                                                       111                                                       111
    350                                                                        60                                                        60
    500                                                            37         205                                                       242
 01 PU.PERS.SV                                                     37         376                                                       413
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DIST--3141

PROPOSED BUDGET SUMMARY--DISTRICT-- APOLLO COMMUNITY SCH DIST
COURSE WITHIN DEPARTMENT BY DISTRICT DEPARTMENT---- ED.TECH.
SCHOOL PROGRESS CITY JR HIGH RUN NO. 005 FEBRUARY 28, 1972 PAGE 15

COURSE	CERT. SAL.	N-CERT. SAL.	EMP. BEN.	SUP. & EQUIP.	MATLS	REP. & REPL.	CAP. OUT.	CONT. SERV.	OTHER COSTS	TOTAL
110	1,389									1,389
120	2,288			2,712						5,000
130	8,320									8,320
140	3,236									3,236
150	114						14			129
151	138									138
152	694									694
200					440					440
300					2,037					2,037
302							62			62
303							120			120
304							80			80
314							55			55
340				54			45			99
400				475			2,108			2,583
02 ED.TECH.	16,183			3,241	2,477		2,486			24,388

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PROPOSED BUDGET SUMMARY - - DISTRICT - - APOLLO COMMUNITY SCH DIST

DIST--3141 COURSE WITHIN DEPARTMENT BY DISTRICT DEPARTMENT - - - - ATHLETICS

SCHOOL PROGRESS CITY JR HIGH RUN NO. 005 FEBRUARY 28, 1972 PAGE 16

COURSE	CERT. SAL.	N-CERT. SAL.	EMP. BEN.	SUP. & EQUIP.	MATLS	REP. & REPL.	CAP. OUT.	CONT. SERV.	OTHER COSTS	TOTAL
100	150									150
101	1,800			48			959			2,808
102	1,300									1,300
103	1,200						105			1,305
104	300									300
107	1,100						170			1,270
111	150									150
211	150									150
04 ATHLETICS	6,150			48			1,235			7,434

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                  P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - -  APOLLO COMMUNITY SCH DIST
   DIST--3141     COURSE       WITHIN DEPARTMENT  BY DISTRICT       D E P A R T M E N T - - - - EX.CURR.
                       SCHOOL  PROGRESS CITY JR HIGH                  RUN NO. 005
COURSE            CERT.         N-CERT.          EMP.                                          FEBRUARY 28, 1972      PAGE  17
                  SAL.          SAL.             BEN.      SUP, &     MATLS     REP. &    CAP.      CONT.     OTHER       TOTAL
                                                           EQUIP.               REPL.     OUT.      SERV.     COSTS
   001               250

   021                                                                                                                    250
                                                                        31
   025               100                                                                                                   31

05 EX.CURR.          350                                                                                                  100
                                                                        31
                                                                                                                          381
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                  P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - -  APOLLO COMMUNITY SCH DIST
   DIST--3141     COURSE       WITHIN DEPARTMENT  BY DISTRICT       D E P A R T M E N T - - - -
                       SCHOOL  PROGRESS CITY JR HIGH                  RUN NO. 005
COURSE            CERT.         N-CERT.          EMP.                                          FEBRUARY 28, 1972      PAGE  18
                  SAL.          SAL.             BEN.      SUP. &     MATLS     REP. &    CAP.      CONT.     OTHER       TOTAL
   531                                                     EQUIP.               REPL.     OUT.      SERV.     COSTS

 13                                                                                        104
                                                                                                                          104
    SUPRT-INSTR     22,583                                                                 104
                                                                                                                          104
                                                           3,327      2,885                3,926
                                                                                                                       32,723
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AA

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           P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - -  APOLLO COMMUNITY SCH DIST
DIST--3141 COURSE     WITHIN  DEPARTMENT   BY DISTRICT      D E P A R T M E N T - - - - PRINCIPAL
              SCHOOL  PROGRESS CITY JR HIGH                RUN NO. 005
           CERT.                                                                  FEBRUARY 28, 1972    PAGE  19
COURSE     SAL.      .N-CERT.        EMP.      SUP. &    MATLS     REP. &    CAP.      CONT.     OTHER       TOTAL
                      SAL.           BEN.      EQUIP.              REPL.     OUT.      SERV.     COSTS

 901          5,464                                                                                         5,464
 902          2,552                                                                                         2,552
 903          2,732                                                                                         2,732
 911          1,366                                                                                         1,366
 912          2,946                                                                                         2,946
 913          1,366                                                                                         1,366
 931          1,344                                                                                         1,344
 932            576                                                                                           576
 934            192                                                                                           192
 935            576                                                                                           576
 951          1,592                                                                                         1,592
 952            734                                                                                           734
 953            508                                                                                           508
 961            508                                                                                           508
 962            960                                                                                           960
 963            858                                                                                           858
 964            858                                                                                           858
 981          6,040                                                                                         6,040
 982            824                                                                                           824
 983            192                                                                                           192
 984          1,920                                                                                         1.920
 986            384                                                                                           384
 987            192                                                                                           192
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BB

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               P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T   [illegible]        COMMUNITY SCH DIST
               COURSE        WITHIN DEPARTMENT    BY DISTRICT       D E P A R T M E N T              PRINCIPAL
   DIST--3141      SCHOOL  PROGRESS CITY JR HS -                RUN NO. 005                     [illegible]           PAGE  20
               DEPT.         N-CERT.           EMP.         SUPP. &    MATLS    [illegible]  [illegible]  [illegible]  [illegible]      TOTAL
  COURSE       SAL.          SAL.              BEN.         EQUIP.              REP.         T.           SERV.        COSTS

   399               316                                                                                                              316

 40 PRINCIPAL     35,000                                                                                                           35,000
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CC

P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - - APOLLO COMMUNITY SCH DIST
COURSE WITHIN DEPARTMENT BY DISTRICT   D E P A R T M E N T - - - - SCH.OFFICE
DIST--3141   SCHOOL PROGRESS CITY JR HIGH   RUN NO. 005   FEBRUARY 28, 1972   PAGE 21

COURSE	CERT. SAL.	N-CERT. SAL.	EMP. BEN.	SUP. & EQUIP.	MATLS	REP. & REPL.	CAP. OUT.	CONT. SERV.	OTHER COSTS	TOTAL
943				399				200	350	949
949					300					300
951					36					36
953				150						150
982				4						4
990		7,212		4,369			29	150		11,760
50 SCH.OFFICE		7,212		4,924	336		29	350	350	13,202
ADMINISTRATE	35,000	7,212		4,924	336		29	350	350	48,202

DD

P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - - APOLLO COMMUNITY SCH DIST
COURSE WITHIN DEPARTMENT BY DISTRICT   D E P A R T M E N T - - - - FAC.MT.O R
DIST--3141   SCHOOL PROGRESS CITY JR HIGH   RUN NO. 005   FEBRUARY 28, 1972   PAGE 22

COURSE	CERT. SAL.	N-CERT. SAL.	EMP. BEN.	SUP. & EQUIP.	MATLS	REP. & REPL.	CAP. OUT.	CONT. SERV.	OTHER COSTS	TOTAL
120								250		250
141				982				250		1,232
150		28,945						1,600		30,545
160								500		500
161								200		200
162								450		450
02 FAC.MT.O R		28,945		982				3,250		33,177

(EE)

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               P R O P O S E D   B U D G E T   S U M M A R Y - - D I S T R I C T - -  APOLLO COMMUNITY SCH DIST
               COURSE       WITHIN  DEPARTMENT   BY DISTRICT      D E P A R T M E N T - - - - FAC.MT.O S
  DIST--3141      SCHOOL  PROGRESS CITY JR HIGH                 RUN NO. 005                  FEBRUARY 28, 1972     PAGE   23
               CERT.        N-CERT.          EMP.        SUP. &      MATLS      REP. &      CAP.        CONT.      OTHER       TOTAL
 COURSE        SAL.         SAL.             BEN.        EQUIP.                 REPL.       OUT.        SERV.      COSTS

   140                         1,260                                                                                          1,260

 03 FAC.MT.O S                 1,260                                                                                          1,260

   MAINTENANCE                30,205                        982                                          3,250               34,437

   BUILDG  209   448,278      41,827                     19,734      10,821       5,439     7,445        3,610         461  537,618

   JUNIOR HIGH   448,278      41,827                     19,734      10,821       5,439     7,445        3,610         461  537,618

   DIST 3141     448,278      41,827                     19,734      10,821       5,439     7,445        3,610         461  537,618
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FF

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                                                  P R O P O S E D   B U D G E T   I T E M S

* FOR.LANG.  01 *       INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141          RLN NO. 005   FEBRUARY 24, 1972      PAGE  001
   UPDATE SEQUENCE NO.                 ITEM DESCRIPTION                F.O.        UNITS    PCT.      UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPC SEQ

73 10 209 01 01 341 1130 001  032                    N    LATIN             21122.00           25  $    13,450.00  $      3,362.50 A 5
73 10 209 01 01 341 5410 001  1234    HINES WELCH  OUR LATIN HER BOOK I 21460.00    5     100  $         3.30  $         16.50 A 2
73 10 209 01 01 341 5420 001  2894    CROFT        FABULAE ANTIQUAE     21459.00   10     100  $         1.00  $         10.00 A 2
73 10 209 01 01 341 5420 002  0112    CARRUTHERS   ALICIA IN TERRA MIRA 21459.00    1     100  $         2.40  $          2.40 A 2
73 10 209 01 01 341 5420 003  1906    HAMILTON     MYTHOLOGY            21459.00   10     100  $          .95  $          9.50 A 2
          * COURSE TOTAL * 341 * - - - - - - - - - - - - -   $     3,400.90
73 10 209 01 01 343 1130 001  131                    M    SPANISH           21122.00           25  $     7,930.00  $      1,982.50 A 5
          * COURSE TOTAL * 343 * - - - - - - - - - - - - -   $     1,982.50
73 10 209 01 01 345 1130 001  146                    J    FRENCH            21122.00           40  $     7,345.00  $      2,938.00 A 5
          * COURSE TOTAL * 345 * - - - - - - - - - - - - -   $     2,938.00
73 10 209 01 01 347 1130 001  159                         GERMAN            21122.00           40  $     8,620.00  $      3,448.00 A 5
73 10 209 01 01 347 5130 001  2328    159          DAS RAD              21437.00   50     100  $         1.00  $         50.00   1
73 10 209 01 01 347 5160 001  1292    159 REHDER   UBUNGSBUCH           21437.00   50     100  $         2.12  $        106.00   1
          * COURSE TOTAL * 347 * - - - - - - - - - - - - -   $     3,604.00
        **  DEPARTMENT  TOTAL ** FOR.LANG.  * - - - - - -   $    11,925.40
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                                        P R O P O S E D   B U D G E T   I T E M S

* SOC.STU.   02 *      INSTRUCTION    PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  002
   UPDATE SEQUENCE NO.               ITEM DESCRIPTION                F.O.      UNITS     PCT.       UNIT COST        TOTAL COST   ACT
YR FD CRG PG FA CRS EXPE SEQ

73 10 209 01 02 133 1130 001  156                C    GEOGRAPHY        21122.00             100  $   11,055.00  $    11,055.00 A 5
73 10 209 01 02 133 1130 002  132                L    GEOGRAPHY        21122.00             100  $    8,295.00  $     8,295.00 A 5
73 10 209 01 02 133 4110 001  1126    156 JOB WESR STUDY LESSONS MAP RD 21437.00    10       100  $        1.50  $        15.00   1
73 10 209 01 02 133 4110 008  2662 132   TEACHERS SHEARS   8C  501010   21435.00     1       100  $        1.05  $         1.05   1
73 10 209 01 02 133 4110 012  1754 156          DESK ORGANIZER   105 5  21435.00     1       100  $        5.45  $         5.45   1
73 10 209 01 02 133 4110 017  1754 132    LETTERS POSTER PACK     2039  21435.00     1       100  $        3.95  $         3.95   1
73 10 209 01 02 133 5190 001  0122    156 AM ED PB  AREA STUDIES  INDIA 21437.00    10       100  $         .40  $         4.00   1
73 10 209 01 02 133 5190 002  0122    156 AM ED PB AREA STD MIDDLE EAST 21437.00    10       100  $         .40  $         4.00   1
73 10 209 01 02 133 5190 003  1312    156   KUBLIN     MIDEAST READINGS 21437.00    10       100  $        1.50  $        15.00   1
73 10 209 01 02 133 5190 004  1312    156   KUBLIN W EUROPE SIN 1750 RS 21437.00    10       100  $        1.50  $        15.00   1
73 10 209 01 02 133 5190 005  0122    156 AM ED PB AREA STUDIES  AFRICA 21437.00    10       100  $         .40  $         4.00   1
73 10 209 01 02 133 5190 006  1312    156   KUBLIN  AFRICA REGL STUDIES 21437.00    10       100  $        1.50  $        15.00   1
73 10 209 01 02 133 5190 007  1312    156   KUBLIN EUROPE SIN 1750 R ST 21437.00    10       100  $        1.50  $        15.00   1
73 10 209 01 02 133 5190 009  0122    156 AM ED PB AREA STUDIES    ASIA 21437.00    10       100  $         .40  $         4.00   1
73 10 209 01 02 133 5190 010  0122    156 AM ED PB AREA STUDIES   CHINA 21437.00    10       100  $         .40  $         4.00   1
73 10 209 01 02 133 5190 011  1312    156   KUBLIN      AFRICA READINGS 21437.00    10       100  $        1.50  $        15.00   1
73 10 209 01 02 133 5190 012  1312    156   KUBLIN   CHINA REGL STUDIES 21437.00    10       100  $        1.50  $        15.00   1
73 10 209 01 02 133 5190 013  1312    156   KUBLIN       CHINA READINGS 21437.00    10       100  $        1.50  $        15.00   1
73 10 209 01 02 133 5190 014  1312    156   KUBLIN   INDIA REGL STUDIES 21437.00    10       100  $        1.50  $        15.00   1
73 10 209 01 02 133 5190 015  1312    156   KUBLIN       INDIA READINGS 21437.00    10       100  $        1.50  $        15.00   1
73 10 209 01 02 133 5190 016  1312    156   KUBLIN   JAPAN REGL STUDIES 21437.00    10       100  $        1.50  $        15.00   1
73 10 209 01 02 133 5190 017  1312    156   KUBLIN       JAPAN READINGS 21437.00    10       100  $        1.50  $        15.00   1
73 10 209 01 02 133 5190 018  1312    156   KUBLIN  SOV UN REGL STUDIES 21437.00    10       100  $        1.50  $        15.00   1
73 10 209 01 02 133 5190 019  1312    156   KUBLIN      SOV UN READINGS 21437.00    10       100  $        1.50  $        15.00   1
73 10 209 01 02 133 5190 020  1312    156   KUBLIN MIDEAST REGL STUDIES 21437.00    10       100  $        1.50  $        15.00   1
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                                    P R O P O S E D   B U D G E T   I T E M S

 * SOC.STU.   02 *      INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141         RUN NO. 005    FEBRUARY 24, 1972     PAGE  003
    UPDATE SEQUENCE NO.                 ITEM DESCRIPTION                F.O.        UNITS     PCT.      UNIT COST       TOTAL COST   ACT
YR FD CRG PG PA CRS EXPD SEQ

73 10 209 01 02 133 5490 001           156 CONTG FD REP PBACK REF MTRLS  21437.00     1      100  $        50.00  $         50.00   1

         * COURSE TOTAL * 133 * - - - - - - - - - - - - - -   $    15,655.45

73 10 209 01 02 150 1140 001                                 0210  60  182  21133.00            100  $     2,293.20  $      2,293.20 A 5

         * COURSE TOTAL * 150 * - - - - - - - - - - - - - -   $     2,293.20

73 10 209 01 02 233 1130 001  151                   H    SOC STUDIES        21122.00             90  $    12,530.00  $     11,277.00 A 5

73 10 209 01 02 233 1130 002  149                   D    SOC STUDIES        21122.00             90  $     8,295.00  $      7,465.50 A 5

73 10 209 01 02 233 4110 001  1584 151ART N CHART MARK BLACK        160     21435.00     1      100  $          .59  $           .59   1

73 10 209 01 02 233 4110 002  1584 151BULL BD ROLL DK YELLOW      57328     21435.00     1      100  $         5.65  $          5.65   1

73 10 209 01 02 233 4110 003  0880 151DEMCO CARDS WHITE, BOX      32240     21435.00     1      100  $         2.55  $          2.55   1

73 10 209 01 02 233 4110 004  1584 151ART N CHART MARKER RED        160     21435.00     1      100  $          .59  $           .59   1

73 10 209 01 02 233 4110 005  1584 151ART N CHART MARK GREEN        160     21435.00     1      100  $          .59  $           .59   1

73 10 209 01 02 233 4110 009  0880 149 DEMCO BK CARDS WH 500S  322400     21435.00     1      100  $         2.55  $          2.55 A 2

73 10 209 01 02 233 4110 010  1584 149 PASTE BRUSHES                  7     21435.00    12      100  $          .36  $          4.32 A 2

73 10 209 01 02 233 4110 011  1584 149 SCISSORS                    109S     21435.00     1      100  $         2.45  $          2.45 A 2

73 10 209 01 02 233 4110 012  1584 149 BRITE LINE WATERCOLOR        48R     21435.00     1      100  $         1.95  $          1.95 A 2

73 10 209 01 02 233 4110 013  0880 149 BK POCKETS BIDEAL 500S  253250     21435.00     1      100  $         3.95  $          3.95 A 2

73 10 209 01 02 233 5110 001  1234     149 REICH     BUILD AM NATION 1968 21460.00     8      100  $         6.00  $         48.00   1

73 10 209 01 02 233 5110 002  2362     149 CUBAN     FROM OF AM BOOK 123  21460.00     6      100  $         1.80  $         10.80   1

73 10 209 01 02 233 5110 003  2362     149 MITCHELL EXPL COLONZT PART12  21460.00     1      100  $         5.95  $          5.95   1

73 10 209 01 02 233 5110 005  1234     151REICH, BL DG THE AMER NATION   21460.00     5      100  $         6.00  $         30.00   1

73 10 209 01 02 233 5120 001  0872     151HUTHMACHE R, A NATION NEWCOMER 21437.00     5      100  $          .50  $          2.50   1

73 10 209 01 02 233 5120 002  2328     151A NATION  CONCEIVED, VOL 1     21437.00    10      100  $         1.65  $         16.50   1

73 10 209 01 02 233 5120 003  0122     151KELLY, RE BELLION AND PROTEST  21437.00    15      100  $          .40  $          6.00   1

73 10 209 01 02 233 5120 004  0122     151PENN, PIO NEERS AND PLANTERS   21437.00    15      100  $          .40  $          6.00   1
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                                                P R O P O S E D   B U D G E T   I T E M S
 * SOC.STU.   02 *       INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141         RUN NO. 005   FEBRUARY 24, 1972       PAGE  004
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION                F.O.        UNITS    PCT.      UNIT COST       TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 01 02 233 5120 005  0818    151MELTZER,  HIST AM NEGRO, 1619  21437.00    5     100 $       1.65 $          8.25   1
73 10 209 01 02 233 5210 001  2118    151LEWIS CLA RK, CASSETTE HG707   21452.00    1     100 $       8.75 $          8.75   1
73 10 209 01 02 233 5210 002  2118    151COMPROMIS E 1850, CASSET HG709 21452.00    1     100 $       8.75 $          8.75   1
73 10 209 01 02 233 5210 003  2118    151FRED DOUG LASS, CASSETTE NB602 21452.00    1     100 $       8.75 $          8.75   1
73 10 209 01 02 233 5210 004  2118    149 CONST WR IT WASH INAV C HG705 21452.00    1     100 $       8.75 $          8.75   1
73 10 209 01 02 233 5210 005  2118    149 MEX WAR  GOLD MORMON CA HG708 21452.00    1     100 $       8.75 $          8.75   1
73 10 209 01 02 233 5210 006  2118    149 VOY COLU  CORNO LASALL  H6701 21452.00    1     100 $       8.75 $          8.75   1
73 10 209 01 02 233 5210 007  2118    149 PHIL JL  4 RAT OF CO 184X8806 21452.00    1     100 $       7.00 $          7.00   1
73 10 209 01 02 233 5210 008  2452    151CASSETTE  FOR FS 3781 AND 3782 21452.00    1     100 $       6.00 $          6.00   1
73 10 209 01 02 233 5210 009  2118    151IND DECLA RED, CASSETTE HG704  21452.00    1     100 $       8.75 $          8.75   1
73 10 209 01 02 233 5210 010  2118    151BOSTON MA SS, CASSETTE HG703   21452.00    1     100 $       8.75 $          8.75   1
73 10 209 01 02 233 5240 001  2118    149 DANIEL B OONE WILDERNESS EFL9 21452.00    1     100 $       7.00 $          7.00   1
73 10 209 01 02 233 5240 002  1180    151SIGN OF D EC OF IND, NO 85     21452.00    1     100 $        .30 $           .30   1
73 10 209 01 02 233 5240 003  2118    149 OUR INDE PEN AND CONST   EFL3 21452.00    1     100 $       7.00 $          7.00   1
73 10 209 01 02 233 5240 004  2118    149 LEWIS AN D CLARK EXPED   EFL5 21452.00    1     100 $       7.00 $          7.00   1
73 10 209 01 02 233 5240 005  2118    149 TRANSCON TINENTAL RAILR EFL12 21452.00    1     100 $       7.00 $          7.00   1
73 10 209 01 02 233 5240 006  1180    151SPIRIT OF  1776, NO 109        21452.00    1     100 $        .30 $           .30   1
73 10 209 01 02 233 5240 007  1180    151FIRST IN  WAR, IN PEACE NO 114 21452.00    1     100 $        .30 $           .30   1
73 10 209 01 02 233 5240 008  1180    151BIRTHPLAC E OF LIBERTY, NO 100 21452.00    1     100 $        .30 $           .30   1
73 10 209 01 02 233 5240 009  1180    151WASHINGTO N CROSSING, NO 104   21452.00    1     100 $        .30 $           .30   1
73 10 209 01 02 233 5240 010  1180    151PILGRIMS  TO CHURCH, NO 101    21452.00    1     100 $        .30 $           .30   1
73 10 209 01 02 233 5240 011  1180    151THE DAY W ESTWARD, NO 121      21452.00    1     100 $        .30 $           .30   1
73 10 209 01 02 233 5240 012  1180    151FIRST ENC OUNTER, NO 124       21452.00    1     100 $        .30 $           .30   1
73 10 209 01 02 233 5240 013  1180    151WE THE PE OPLE, NO E04         21452.00    1     100 $       1.00 $          1.00   1
73 10 209 01 02 233 5240 014  1180    151AMERICAN  HISTORY, NO E12      21452.00    1     100 $       1.00 $          1.00   1
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                                                   P R C P O S E D   B U C G E T   I T E M S

* SCC.STU.   02 *       INSTRUCTION      PRCGRESS CITY JR. HIGH    DIST--3141          RUN NC. 0C5   FEBRUARY 24, 1972      PAGE  005
   UPDATE SEQUENCE NO.                   ITEM DESCRIPTION                F.O.         UNITS     PCT.        UNIT CCST       TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 01 02 233 5240 016  0068    151PLIGHT AM  IND FS 238857       21452.0C     1      100  $           7.50  $            7.50   1

73 10 209 01 02 233 524C C17  2452    151BEG AM IN D, 1769-1850 FS 3781 21452.0C     1      100  $           7.CC  $            7.00   1

73 10 2C9 01 02 233 524C 018  2452    151NAT RES,  1650-1850 FS 3782    21452.0C     1      100  $           7.00  $            7.00   1

73 10 209 01 02 233 5240 019  1180    151CUR NATIO N'S CAPITOL, NC 11   21452.0C     1      100  $            .30  $             .30   1

73 10 209 01 02 233 524C 020  1180    151DECLARATI ON CF FREEDCM NC 129 21452.0C     1      100  $            .30  $             .30   1

        * CCURSE TOTAL * 233 * - - - - - - - - - - - - -    $    19,C39.19

73 10 209 01 02 234 1130 0C1  151                    M    CURRENT AFFA      21122.00            10  $      12,530.C0  $        1,253.00 A 5

73 10 209 01 02 234 113C 0C2  149                         CURRENT AFFA      21122.CC            10  $       8,295.C0  $          829.50 A 5

73 10 209 01 C2 234 516C 0C1  0122    151CURRENT A FFAIRS               21437.C0    20      10C  $           1.1C  $           22.CC   1

73 10 209 01 02 234 516C 0C2  0122    149           CURRENT EVENTS MAG  21437.00    25      100  $           1.10  $           27.50   1

        * CCURSE TOTAL * 234 * - - - - - - - - - - - - -    $     2,132.00

73 10 209 01 C2 331 113C 0C1  135                    D    STATE LCCAL       21122.00            60  $      12,875.C0  $        7,725.00 A 5

73 10 2C9 01 C2 331 411C 0C4  0868 135 ACAPTER JACK HIFI CABL  40CK80    21452.CC     1       50  $           3.50  $            1.75   1

73 10 209 01 02 331 4120 0C2  0884    135 NEW YCRK  CITY AN ENV CASE ST 21452.0C     1       50  $          34.00  $           17.00   1

73 10 209 01 02 331 5120 0C1  0122    135 CRDER325 IMMIGRANTS EXPERIENC 21459.0C    10      100  $            .40  $            4.00   1

73 10 209 01 02 331 512C C02  1312    135           LAW ANC THE CITY    21459.0C     5       50  $           1.2C  $            3.0C   1

73 10 209 01 02 331 512C 003  2792    135 CORDELL  CASEBOCK MUNICIPAL P 21459.00     4      100  $           2.75  $           11.00   1

73 10 209 01 02 331 5120 0C4  0122    135 ORDER322 TAKING A STANC       21459.CC    10       50  $            .40  $            2.00   1

73 10 209 01 02 331 5130 0C1  1872    135 MAG      NATICNS CITIES       21470.CC     1       50  $           6.C0  $            3.00   1

73 10 209 01 02 331 5130 002  1878    135 MAG      NATICNAL CIVIC REVIE 21470.CC     1       50  $           5.C0  $            2.50   1

73 10 209 01 02 331 5140 001  1614    135 LIFE R92 CARS AND CITY CN CCL 21437.00    10       50  $            .35  $            1.75   1

73 10 209 01 02 331 515C 001  0396    135 N0177216 02 WHY VOTE?         21437.00    10      100  $            .25  $            2.50   1

73 10 209 01 02 331 515C 0C2  0396    135 N0177216 18 LEGAL RIGHTS      21437.CC    10       50  $            .25  $            1.25   1

73 10 209 01 02 331 515C 003  0396    135 N0177216 12 THE LAW AND YCU   21437.00    10       50  $            .25  $            1.25   1
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                                        P R O P O S E D   B U D G E T   I T E M S
* SOC.STU.    02 *       INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141           RLN NO. 005   FEBRUARY 24, 1972      PAGE  CC6
   UPDATE SEQUENCE NO.                   ITEM DESCRIPTION               F.O.      UNITS    PCT.       UNIT COST     TOTAL COST  ALT
YR FD CRG PG PA CRS EXPD SEQ

73 10 209 01 02 331 5150 004  0396    135 NO177216 10 FREEDOM AND YOU   21437.00   10      50  $           .25  $          1.25   1
73 10 209 01 02 331 516C 001  2328    135 SCH MAG  AMERICAN OBSERVER    21437.00   10      50  $          1.60  $          8.00   1
73 10 209 01 02 331 516C 002  0122    135 AEP  C87 URBAN WORLD          21437.00   10      50  $          1.50  $          7.50   1
        * COURSE TOTAL * 331 * - - - - - - - - - - - - - -  $     7,792.75
73 10 209 01 02 335 1130 001  135                 0    SOC STUD SEM     21122.00           40  $     12,875.00  $      5,150.00 A 5
73 10 209 01 02 335 4110 004  0868 135 ADAPTER JACK HIFICABLE  40CK80   21452.00    1      50  $          3.50  $          1.75   1
73 10 209 01 02 335 4120 001  0884    135 NEW YORK  CITY AN ENV CASE ST 21452.00    1      50  $         34.00  $         17.00   1
73 10 209 01 02 335 512C 001  1312    135             LAW AND THE CITY  21459.00    5      50  $          1.20  $          3.00   1
73 10 209 01 02 335 512C 002  0122    135 ORDER322 TAKING A STAND       21459.00   10      50  $           .40  $          2.00   1
73 10 209 01 02 335 512C 003  0122    135 ORDER503 POPULATION CONTROL   21459.00   10     100  $           .40  $          4.00   1
73 10 209 01 02 335 5120 004  0020    135 SORVALL  THE WORLDS EXHAUST   21459.00    5     100  $           .75  $          3.75   1
73 10 209 01 02 335 5120 005  0020    135 SORVALL  OUR TROUBLED WATERS  21459.00    5     100  $           .75  $          3.75   1
73 10 209 01 02 335 5120 006  0020    135 SORVALL  HOW MANY ARE TOO MAN 21459.00    5     100  $           .75  $          3.75   1
73 10 209 01 02 335 512C 007  0020    135 SCHWARTZ MIST OF DEATH        21459.00    5     100  $           .75  $          3.75   1
73 10 209 01 02 335 5130 001  1872    135 MAG      NATIONS CITIES       21470.00    1      50  $          6.00  $          3.00   1
73 10 209 01 02 335 5130 002  1878    135 MAG      NATIONAL CIVIC REVIE 21470.00    1      50  $          5.00  $          2.50   1
73 10 209 01 02 335 514C 001  1614    135 LIFE R99 FOOD FOR THE FUTURE  21437.00   10     100  $           .35  $          3.50   1
73 10 209 01 02 335 514C 002  1614    135 LIFE R92 CARS AND CITY ON COL 21437.00   10      50  $           .35  $          1.75   1
73 10 209 01 02 335 514C 003  1614    135 LIFE R91 ENVIRONMENT WHAT CAN 21437.00   10     100  $           .35  $          3.50   1
73 10 209 01 02 335 5140 004  1614    135 LIFE R95 OVERPOPULATION       21437.00   10     100  $           .35  $          3.50   1
73 10 209 01 02 335 5150 001  0396    135 NO177216 12 THE LAW AND YOU   21437.00   10      50  $           .25  $          1.25   1
73 10 209 01 02 335 5150 002  0396    135 NO177216 10 FREEDOM AND YOU   21437.00   10      50  $           .25  $          1.25   1
73 10 209 01 02 335 5150 003  0396    135 NO177216 16 CLEAN AIR         21437.00   10     100  $           .25  $          2.50   1
73 10 209 01 02 335 5150 004  0396    135 NO177216 06 CLEAN WATER       21437.00   10     100  $           .25  $          2.50   1
73 10 209 01 02 335 5150 005  0396    135 NO177216 20 MANS ENDANGEREDWO 21437.00   10     100  $           .25  $          2.50   1
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                              P R O P O S E D   B U D G E T   I T E M S
* SOC.STU.   02 *      INSTRUCTION     PROGRESS CITY JR. HIGH    CIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  CO7
   UPDATE SEQUENCE NO.                ITEM DESCRIPTION                  F.O.        UNITS    PCT.      UNIT COST       TOTAL COST   ACT
YR FD CRG PG PA CRS EXPC SEQ

73 10 209 01 02 335 515C 006  0396    135 NO177218 18 LEGAL RIGHTS     21437.00   10       50  $           .25  $           1.25   1
73 10 209 01 02 335 515C 007  0396    135 NO177216    DIRTY OLD WORLD  21437.00   10      100  $           .25  $           2.50   1
73 10 209 01 02 335 5160 001  2328    135 SCH MAG  AMERICAN OBSERVER   21437.00   10       50  $          1.60  $           8.00   1
73 10 209 01 02 335 5160 002  0122    135 AEP  CB7 URBAN WORLD         21437.00   10       50  $          1.50  $           7.50   1
          * COURSE TOTAL * 335 * - - - - - - - - - - - - -  $    5,239.75
        ** DEPARTMENT  TOTAL ** SOC.STU.   * - - - - - -  $   56,152.34
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                                        P R O P O S E D   B U D G E T   I T E M S
* MATH       03 *      INSTRUCTION      PROGRESS CITY JR. HIGH     DIST--3141            RUN NO. 005   FEBRUARY 24, 1972        PAGE  008
    UPDATE SEQUENCE NO.               ITEM DESCRIPTION                F.O.        UNITS     PCT.         UNIT COST         TOTAL COST   ALT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 01 03 113 1130 001  138                   M     MODERN MATH        21122.00              50  $     12,875.00  $       6,437.50 A 5
73 10 209 01 03 113 1130 002  170                   L     MODERN MATH        21122.00              50  $      8,655.00  $       4,327.50 A 5
73 10 209 01 03 113 1130 003  152                   G     MODERN MATH        21122.00              50  $     12,875.00  $       6,437.50 A 5
73 10 209 01 03 113 1140 001                    R           0160  30  180  21225.00              10  $        864.00  $          86.40 A 5
73 10 209 01 03 113 1140 002                R               0210  60  180  21133.00              50  $      2,268.00  $       1,134.00 A 5
73 10 209 01 03 113 4110 001  1584 138 INDEX CARD FILE BOX         3587  21430.00     1      100  $          4.30  $           4.30   1
73 10 209 01 03 113 4110 002  1584 170 HEYER HAND MASTER UNIT       455  21430.00     1       50  $          5.65  $           2.83   1
73 10 209 01 03 113 7110 001  1584 138 3 HOLE PUNCH                 325  70811.03     1       50  $         11.15  $           5.58   1
       * COURSE TOTAL * 113 * - - - - - - - - - - - - -   $     18,435.61
73 10 209 01 03 115 1130 001  154                   B     STRETCH SHR        21122.00              20  $     13,890.00  $       2,778.00 A 5
73 10 209 01 03 115 5160 001  1238     154 BRAUNFEL STRETCHERS AND SHRIN 21437.00    40      100  $          6.00  $         240.00 D 4
73 10 209 01 03 115 5160 002  1238     154 HOFFMAN  ACT HNDBK STR AND SH 21437.00     3      100  $          6.00  $          18.00   1
       * COURSE TOTAL * 115 * - - - - - - - - - - - - -   $      3,036.00
73 10 209 01 03 200 1110 001  240                   R     DEPT CHM           21122.00              10  $     15,275.00  $       1,527.50 A 5
73 10 209 01 03 200 4110 001  2792 154 ORIGIN OF NUMB POSTERS              21430.00     1      100  $          3.50  $           3.50   1
73 10 209 01 03 200 4110 002  2792 154 ORIGINS OF ALG POSTERS              21430.00     1      100  $          3.50  $           3.50   1
73 10 209 01 03 200 4110 003  2792 154 HISTORY OF MATH POSTER              21430.00     1      100  $          3.50  $           3.50   1
73 10 209 01 03 200 4110 004  2792 154 FAMOUS MATH POSTERS                 21430.00     1      100  $          3.50  $           3.50   1
73 10 209 01 03 200 4110 005  1178 141 30 BB LETTERS                       21430.00     1      100  $         14.90  $          14.90 A 4
73 10 209 01 03 200 4110 006  1178 141 MATH STAMP                          21430.00     1      100  $          3.25  $           3.25 A 4
73 10 209 01 03 200 4110 007  1546 170 5X8 CARDS UNLINED 1000  007520      21430.00     1      100  $          6.84  $           6.84 A 4
73 10 209 01 03 200 5000 001          MATERIALS NOT YET SELECTED           21430.00     1      100  $        150.00  $         150.00   1
73 10 209 01 03 200 6110 001  1940 CALCULATOR SERVICE REPAIR               41811.03     1      100  $         50.00  $          50.00   1
       * COURSE TOTAL * 200 * - - - - - - - - - - - - -   $      1,766.49
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                                   P R O P O S E D   B U D G E T   I T E M S

* MATH       03 *      INSTRUCTION      PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972     PAGE  009
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION                F.O.        UNITS    PCT.      UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPE SEQ

73 10 209 01 03 213 1130 001  170                 L    MODERN MATH       21122.00               50  $     8,655.00  $      4,327.50 A 5

73 10 209 01 03 213 1130 002  152                 G    MODERN MATH       21122.00               50  $    12,875.00  $      6,437.50 A 5

73 10 209 01 03 213 1130 003  138                 M    MODERN MATH       21122.00               50  $    12,875.00  $  [illegible],437.50 A 5

73 10 209 01 03 213 1140 001               R            0210  60  180  21133.00               50  $     2,268.00  $      1,134.00 A 5

73 10 209 01 03 213 1140 002                 R          0160  30  180  21225.00               10  $       864.00  $         86.40 A 5

73 10 209 01 03 213 4110 001  1584 170 INDEX CARD FILE BOX        3587  21430.00      1       100  $         4.30  $          4.30   1

73 10 209 01 03 213 4110 002  1584 152 HEYER HAND MASTER UNIT      455  21430.00      1        50  $         5.65  $          2.83   1

73 10 209 01 03 213 7110 001  1584 138 3 HOLE PUNCH                325  70811.03      1        50  $        11.15  $          5.58   1

        * COURSE TOTAL * 213 * - - - - - - - - - - - - - -   $    18,435.61

73 10 209 01 03 215 1130 001  154                 B    STRETCH SHR       21122.00               20  $    13,890.00  $      2,778.00 A 5

        * COURSE TOTAL * 215 * - - - - - - - - - - - - - -   $     2,778.00

73 10 209 01 03 311 1130 001  141                 R    ALG II            21122.00               20  $    12,875.00  $      2,575.00 A 5

        * COURSE TOTAL * 311 * - - - - - - - - - - - - - -   $     2,575.00

73 10 209 01 03 313 1130 001  141                 R    ALG I             21122.00               40  $    12,875.00  $      5,150.00 A 5

73 10 209 01 03 313 1130 002  154                 B    ALG I             21122.00               60  $    13,890.00  $      8,334.00 A 5

        * COURSE TOTAL * 313 * - - - - - - - - - - - - - -   $    13,484.00

73 10 209 01 03 314 1130 001  141                 R    INTRC ALG         21122.00               40  $    12,875.00  $      5,150.00 A 5

        * COURSE TOTAL * 314 * - - - - - - - - - - - - - -   $     5,150.00

73 10 209 01 03 315 1130 001  137                 J    MATH              21122.00               40  $     9,520.00  $      3,808.00 A 5

        * COURSE TOTAL * 315 * - - - - - - - - - - - - - -   $     3,808.00

       **  DEPARTMENT  TOTAL ** MATH       * - - - - - -   $    69,468.71
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                                              P R C P O S E D   B U D G E T   I T E M S

* SCIENCE     04 *      INSTRUCTION      PROGRESS CITY JR. HIGH     DIST--3141        RUN NO. 005   FEBRUARY 24, 1972      PAGE  010
   UPDATE SEQUENCE NO.                     ITEM DESCRIPTION                 F.O.         UNITS    PCT.     UNIT COST        TOTAL COST   ACT
YR FD CRG PG PA CRS EXPD SEQ

73 10 209 01 04 123 1130 001  168                      ISCS LEVEL 1       21122.00           100  $     8,620.00  $      8,620.00 A 5

73 10 209 01 04 123 1130 002  171                      ISCS LEVEL 1       21122.00            60  $    13,890.CO  $      8,334.00 A 5

73 10 209 01 04 123 4110 0C1  2418 171 ISCS/1 LINE ITEMS                  21434.00    1      100  $       342.11  $        342.11 A 2

73 10 209 01 04 123 5130 0C1  2350     168          SCIENCE DIGEST        21459.0C    1      100  $         5.00  $          5.00 A 2

73 10 209 01 04 123 5130 002  2094     168          POPULAR MECHANICS     21459.00    1      100  $         5.C0  $          5.00 A 2

73 10 209 01 04 123 5130 0C3  2096     168          POPULAR SCIENCE       21459.00    1      100  $         6.00  $          6.00 A 2

73 10 209 01 04 123 5410 001  2418     171  ISCS    PROB NATL/1 4610J07   21460.00   20      100  $         4.95  $         99.00   1

73 10 209 01 04 123 5460 001  2418     168 ISCS PRO B NATL/1     4612J07  21437.00  150      100  $         1.65  $        247.50 A 2

73 10 209 01 04 123 5460 002  2418     171 ISCS PRO B NAT WORLD  4612J07  21437.0C   90      100  $         1.65  $        148.50 A 2

73 10 209 01 04 123 6110 001  0848 171 ISCS LEVEL 1 LIST                  41811.03    1      100  $        22.00  $         22.00 A 2

73 10 209 01 04 123 7110 0C1  0848 171 ISCS LEVEL I LIST                  7C811.03    1      100  $        53.80  $         53.80 A 2

         * COURSE TOTAL * 123 * - - - - - - - - - - - - -     $     17,882.91

73 10 209 01 04 223 1130 0C1  171                      ISCS LEVEL 2       21122.00            40  $    13,890.CO  $      5,556.00 A 5

73 10 209 01 04 223 1130 002  161                      ISCS LEVEL 2       21122.00            40  $    11,055.00  $      4,422.00 A 5

73 10 209 01 04 223 1130 CC3  144                      ISCS LEVEL 2       21122.00           100  $    12,560.CO  $     12,560.00 A 5

73 10 209 01 04 223 4110 0C1       171 STORAGE CABINETS                   21434.00    1      100  $        50.0C  $         50.00 A 2

73 10 209 01 04 223 4110 002       144 STORAGE CABINETS                   21434.00    1      100  $        50.CO  $         50.0C A 2

73 10 209 01 04 223 4110 003  2418 161 SECTION SET/2        5  018J01     21434.00    1      100  $        46.00  $         46.00 A 2

73 10 209 01 04 223 4110 004  2418 171 MASTER SET/2         5  018J00     21434.00    1      100  $       735.C0  $        735.00 A 2

73 10 209 01 04 223 4110 005  2418 171 SECTION SET/2        5  018J01     21434.00    1      100  $        46.00  $         46.00 A 2

73 10 209 01 04 223 4110 006       171 GAS OUTLETS                        21434.00    1      100  $       125.C0  $        125.00 A 2

73 10 209 01 04 223 4110 007  2418 144 MASTER SET/2         5  018J00     21434.0C    1      100  $       735.C0  $        735.00 A 2

73 10 209 01 04 223 4110 008       161 GAS OUTLETS                        21434.0C    1      100  $       125.C0  $        125.00 A 2

73 10 209 01 04 223 4110 009  2418 144 SECTION SET/2        5  018J01     21434.00    5      100  $        46.00  $        230.00 A 2

73 10 209 01 04 223 4110 01C       144 GAS OUTLETS                        21434.0C    1      100  $       125.00  $        125.00 A 2
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                                              P R O P O S E D   B U D G E T   I T E M S
* SCIENCE    04 *      INSTRUCTION      PROGRESS CITY JR. HIGH    CIST--3141           FUN NO. 004    FEBRUARY 24, 1972      PAGE  011
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION                  F.O.        UNITS   PCT.      UNIT COST        TOTAL COST  ACT
YR ED ORG PG PA CRS EXPC SEQ

73 10 209 01 04 223 4110 011       161 STORAGE CABINETS                  21434.00      1     100  $         50.00  $          50.00 A 2
73 10 209 01 04 223 4110 012  2418 161 MASTER SET/2          5  018J00   21434.00      1     100  $        735.00  $         735.00 A 2
73 10 209 01 04 223 5110 001  2418     144  ISCS     TEACH ED    4613J08 21460.00      2     100  $          5.94  $          11.88   1
73 10 209 01 04 223 5110 002  2418     171  ISCS     PROB NATL/2 4610J08 21460.00     40     100  $          5.34  $         213.60   1
73 10 209 01 04 223 5110 003  2418     171  ISCS     TEACH ED    4613J08 21460.00      2     100  $          5.94  $          11.88   1
73 10 209 01 04 223 5110 004  2418     144  ISCS     PROB NATL/2 4610J08 21460.00     30     100  $          5.34  $         160.20   1
73 10 209 01 04 223 5110 005  2418     161  ISCS     TEACH ED    461[redacted] 21460.00      2     100  $          5.94  $          11.88   1
73 10 209 01 04 223 5110 006  2418     161  ISCS     PROB NATL/2 4610J08 21460.00     30     100  $          5.34  $         160.20   1
73 10 209 01 04 223 5130 001  2354     171           SCIENCE NEWS        21459.00      1     100  $          5.50  $           5.50 A 2
73 10 209 01 04 223 5130 002  1090     171           MECHANIX ILLUSTRATED 21459.00     1     100  $          4.00  $           4.00 A 2
73 10 209 01 04 223 5130 003  2354     161           SCIENCE NEWS        21459.00      1     100  $          7.50  $           7.50 A 2
73 10 209 01 04 223 5130 004  2350     171           SCIENCE DIGEST      21459.00      1     100  $          5.00  $           5.00 A 2
73 10 209 01 04 223 5130 005  2094     171           POPULAR MECHANICS   21459.00      1     100  $          5.00  $           5.00 A 2
73 10 209 01 04 223 5130 006  2096     171           POPULAR SCIENCE     21459.00      1     100  $          6.00  $           6.00 A 2
73 10 209 01 04 223 5130 007  2354     144           SCIENCE NEWS        21459.00      1     100  $          7.50  $           7.50 A 2
73 10 209 01 04 223 5130 008  2350     161           SCIENCE DIGEST      21459.00      1     100  $          5.00  $           5.00 A 2
73 10 209 01 04 223 5130 009  2096     161           POPULAR SCIENCE     21459.00      1     100  $          6.00  $           6.00 A 2
73 10 209 01 04 223 5130 010  2350     144           SCIENCE DIGEST      21459.00      1     100  $          5.00  $           5.00 A 2
73 10 209 01 04 223 5130 011  2096     144           POPULAR SCIENCE     21459.00      1     100  $          6.00  $           6.00 A 2
73 10 209 01 04 223 5160 001  2418     171 ISCS PROB NAT WORLD  4612J08  21437.00     60     100  $          1.65  $          99.00 A 2
73 10 209 01 04 223 5160 002  2418     171 PROB NAT  WLD TEACHER 4619J08 21437.00      1     100  $          1.65  $           1.65 A 2
73 10 209 01 04 223 5160 003  2418     161 ISCS      STUD REC BK 4612J08 21437.00     60     100  $          1.65  $          99.00 A 2
73 10 209 01 04 223 5160 004  2418     161 ISCS      TEACH ED    4619J08 21437.00      2     100  $          1.65  $           3.30 A 2
73 10 209 01 04 223 5160 005  2418     144 ISCS      STUD REC BK 4612J08 21437.00    130     100  $          1.65  $         214.50 A 2
73 10 209 01 04 223 5160 006  2418     144 ISCS      TEACH ED    4619J08 21437.00      2     100  $          1.65  $           3.30 A 2
       * COURSE TOTAL * 223 * - - - - - - - - - - - - - -   $    26,642.89
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                              P R O P O S E D   B U D G E T   I T E M S

* SCIENCE     04 *      INSTRUCTION      PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  012
  UPDATE SEQUENCE NO.                     ITEM DESCRIPTION               F.O.        UNITS    PCT.      UNIT COST       TOTAL COST   ACT
YR FD CRG PG PA CRS EXPC SEQ

73 10 209 01 04 250 1110 001  031                      DEPT            21122.00              20  $    15,820.00  $     3,164.00 A 5

73 10 209 01 04 250 1140 001                              0185  60  182  21133.00             100  $     2,020.20  $     2,020.20 A 5

73 10 209 01 04 250 5270 001  2418     ISCS AUDIO VISUAL AIDS          21452.00     1       100  $       350.00  $       350.00   1

        * COURSE TOTAL * 250 * - - - - - - - - - - - - -   $     5,534.20

73 10 209 01 04 322 1130 001  161                      PHYS SCI 9      21122.00              60  $    11,055.00  $     6,633.00 A 5

73 10 209 01 04 322 1130 002  158                      PHYS SCI 9      21122.00             100  $    13,890.00  $    13,890.00 A 5

73 10 209 01 04 322 4110 001  1628 158 PRINT PAP 5X7 AZO  BOX          21434.00     2       100  $         4.90  $         9.80 A 2

73 10 209 01 04 322 4110 002  1628 158 BATTERIES FOR INST 124  PX 825  21434.00     2       100  $          .25  $          .50 A 2

73 10 209 01 04 322 4110 003  2302 158 LIGHTER GAS PACK OF 12    4755  21434.00     1       100  $         2.25  $         2.25 A 2

73 10 209 01 04 322 4110 004  2351 158 MICROSCOPE GUIDE SHEET      19  21434.00    40       100  $          .03  $         1.20 A 2

73 10 209 01 04 322 4110 005  1518 158 TETRABROMOETHANE 1 LIT          21434.00     2       100  $         4.00  $         8.00 A 2

73 10 209 01 04 322 4110 006  1546 158 PORTFOLIO ASSORTED      NO 486  21434.00    20       100  $          .19  $         3.80 A 2

73 10 209 01 04 322 4110 007  0836 158 REFLECT SPOTLIGHT 150W          21434.00     1       100  $         1.00  $         1.00 A 2

73 10 209 01 04 322 4110 008  2792 158 PHYSICISTS POSTER SET           21434.00     1       100  $         3.50  $         3.50 A 2

73 10 209 01 04 322 4110 009  2302 158 FLAS TRAY REPLACE ONLY    9187  21434.00     4       100  $         2.00  $         8.00 A 2

73 10 209 01 04 322 4110 010  2302 158 15 W GRO-LUX FLUO BULB    9188  21434.00     3       100  $         1.00  $         3.00 A 2

73 10 209 01 04 322 4110 011  2302 158 INCANDESCENT LAMPS   2  448620  21434.00     4       100  $          .45  $         1.80 A 2

73 10 209 01 04 322 4110 012  2302 158 EXT CORD  2-OUTLET       29898  21434.00     4       100  $          .85  $         3.40 A 2

73 10 209 01 04 322 4110 013  2302 158 MAGNIFIER TRIPOD          8052  21434.00    10       100  $         1.35  $        13.50 A 2

73 10 209 01 04 322 4110 014  2302 158 SHEARS 10 1/2 INCH        0274  21434.00     1       100  $         2.50  $         2.50 A 2

73 10 209 01 04 322 4110 015  1628 158 FLASHCUBES SLEVE OF 3           21434.00     6       100  $         1.25  $         7.50 A 2

73 10 209 01 04 322 4110 016  1628 158 35MM FILM TRI-X BW 20E          21434.00    10       100  $          .98  $         9.80 A 2

73 10 209 01 04 322 4110 017  1628 158 VERI FILM 126 BW 12EXP          21434.00     8       100  $          .75  $         6.00 A 2
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                              P R O P O S E D   B U D G E T   I T E M S

* SCIENCE    04 *      INSTRUCTION     PROGRESS CITY JR. HIGH     DIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  013
  UPDATE SEQUENCE NO.                  ITEM DESCRIPTION                F.O.          UNITS    PCT.     UNIT COST        TOTAL COST  ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 01 04 322 4110 018  1628 158 FIXER GEN PURPOSE 1 QT          21434.00     4     100  $         .40  $         1.60 A 2

73 10 209 01 04 322 4110 019  1628 158 FILM DEV D76 1-QT               21434.00     6     100  $         .65  $         3.90 A 2

73 10 209 01 04 322 4110 020  1628 158 PAPERDEV DEKTOL 1-QT            21434.00     6     100  $         .70  $         4.20 A 2

73 10 209 01 04 322 4110 021  0630 158 CENCO PHYSICAL SCIENCE          21434.00     1     100  $      650.00  $       650.00 A 2

 3 10 209 01 04 322 4110 022  1518 158 BUTYL CARBITOL 1 LITER          21434.00     2     100  $        4.00  $         8.00 A 2

 3 10 209 01 04 322 4180 001       158 OTHER SUPPLIES                  21434.00     1     100  $      125.00  $       125.00 A 2

73 10 209 01 04 322 5120 001  2792      158 CONSERV   EVERYBODYS JOB214340 00000.00  1     100  $        2.75  $         2.75 1 4

73 10 209 01 04 322 5130 001  2354      158           SCIENCE NEWS      21459.00     1     100  $        3.00  $         3.00 A 2

73 10 209 01 04 322 5130 002  2096      158           POPULAR SCIENCE   21459.00     1     100  $        5.00  $         5.00 A 2

73 10 209 01 04 322 5130 003  2350      158           SCIENCE DIGEST    21459.00     1     100  $        5.00  $         5.00 A 2

73 10 209 01 04 322 5160 001  1414      158           IOWA CONSERVATIONIST 21437.00 30    100  $        1.00  $        30.00 A 2

73 10 209 01 04 322 5160 002  0040      158 PHYSICAL  SCI LAB REC BK    21437.00   200     100  $        2.25  $       450.00 A 2

73 10 209 01 04 322 5160 003  2328      158           SCIENCE WORLD     21437.00    30     100  $        1.85  $        55.50 A 2

73 10 209 01 04 322 5270 001  2792 158 SAFETY IN THE SCI LAB           21452.00     1     100  $       15.00  $        15.00   1

73 10 209 01 04 322 6210 001       158 REPAIR OF EQUIPMENT             41811.03     1     100  $       30.00  $        30.00 A 2

        * COURSE TOTAL * 322 * - - - - - - - - - - - - -   $     21,557.50

       **  DEPARTMENT  TOTAL ** SCIENCE    * - - - - - -   $     72,057.50
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                                               P R O P O S E D   B U D G E T   I T E M S

* BUS.EDUC.  05 *      INSTRUCTION      PROGRESS CITY JR. HIGH    DIST--3141         RUN NC. 005   FEBRUARY 24, 1972     PAGE  614
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION               P.O.          UNITS   PCT.       UNIT COST       TOTAL COST   ACT
YR FD ORG PG PA CRS EXPE SEQ

73 10 209 01 05 251 6110 001        153 TYPEWRITER REPLACEMENT         41811.03      7    100  $      120.00  $        840.00   1

73 10 209 C1 C5 251 6210 CC1        153 TYPEWRITER REPAIR              41811.03     28    10C  $       10.CC  $        28C.CC   1

         * CCURSE TOTAL * 251 * - - - - - - - - - - - - -   $     1,120.00

73 10 209 01 C5 300 5000 001                      WAF TO BE SELECTED   21437.0C      1    100  $       50.CC  $         50.0C   1

73 10 209 01 C5 300 8410 001        TRANSPORTATICN                     21594.CC      1    100  $       10.C0  $         10.00   2

         * CCURSE TOTAL * 300 * - - - - - - - - - - - - -   $        60.00

       **  CEPARTMENT  TCTAL ** BUS.EDUC.  * - - - - - -   $     1,18C.00
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                                                P R O P O S E D   B U D G E T   I T E M S

* HOME EC.   08 *      INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  015
   UPDATE SEQUENCE NO.                 ITEM DESCRIPTION                F.D.        UNITS    PCT.       UNIT COST       TOTAL COST   ACT
YR FD CRG PG PA CRS EXPC SEC

73 10 209 01 08 166 2110 001                                 0210  60  182  21133.00               27  $     2,293.20  $        619.16 A 5

        * COURSE TOTAL * 166 * - - - - - - - - - - - - -   $        619.16

73 10 209 01 08 167 1130 001  145                       H.EC.CL.7TH         21122.00               30  $    11,055.00  $      3,316.50 A 5

        * COURSE TOTAL * 167 * - - - - - - - - - - - - -   $      3,316.50

73 10 209 01 08 168 1130 001  134                  K    H EC FD 7TH         21122.00               30  $     7,930.00  $      2,379.00 A 5

        * COURSE TOTAL * 168 * - - - - - - - - - - - - -   $      2,379.00

73 10 209 01 08 169 1130 001  157                  L    H EC REL 7TH        21122.00               30  $     9,695.00  $      2,908.50 A 5

73 10 209 01 08 169 4180 001       157 MISCELLANEOUS SUPPLIES               21428.00     1        100  $        20.00  $         20.00   1

73 10 209 01 08 169 4180 002       157 MISCELLANEOUS SUPPLIES               21428.00     1        100  $        20.00  $         20.00 A 2

        * COURSE TOTAL * 169 * - - - - - - - - - - - - -   $      2,948.50

73 10 209 01 08 266 2110 001                       J      0210  60  182  21133.00               27  $     2,293.20  $        619.16 A 5

        * COURSE TOTAL * 266 * - - - - - - - - - - - - -   $        619.16

73 10 209 01 08 267 1130 001  145                       H.EC.CL.8TH         21122.00               27  $    11,055.00  $      2,984.85 A 5

        * COURSE TOTAL * 267 * - - - - - - - - - - - - -   $      2,984.85

73 10 209 01 08 268 1130 001  134                  K    H EC FD 8TH         21122.00               27  $     7,930.00  $      2,141.10 A 5

        * COURSE TOTAL * 268 * - - - - - - - - - - - - -   $      2,141.10

73 10 209 01 08 269 1130 001  157                  L    H EC REL 8TH        21122.00               27  $     9,695.00  $      2,617.65 A 5

        * COURSE TOTAL * 269 * - - - - - - - - - - - - -   $      2,617.65

73 10 209 01 08 350 1130 001  350                  M                        21122.00               15  $    15,475.00  $      2,321.25 A 5

        * COURSE TOTAL * 350 * - - - - - - - - - - - - -   $      2,321.25

73 10 209 01 08 351 4110 001  0850 134DRIFTWOOD DELPHINE GCBL               21428.00     5        100  $         1.80  $          9.00   1
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                                                    P R C P O S E D   B U D G E T   I T E M S
* HOME EC.   C8 *       INSTRUCTION      PROGRESS CITY JR. HIGH    DIST--3141          FLN NO. 005   FEBRUARY 24, 1972      PAGE  C16
   UPDATE SEQUENCE NO.                    ITEM DESCRIPTION              F.O.        UNITS    PCT.      UNIT COST        TOTAL COST   ACT
YR FD CRG PG PA CRS EXPC SEQ

73 10 209 01 C8 351 4110 002  0836 134WESTBEND SAL PEP GREEN              21428.CC    5     100  $         2.25  $          11.25   1
73 10 209 01 08 351 4110 003  0850 134DRIFTWOOD DELPHINE JUIC             21428.0C    5     100  $         1.C5  $           5.25   1
73 10 209 01 08 351 4110 004  184C 134PYREX DBL BOILER  W352              21428.0C    1     100  $         6.55  $           8.95   1
73 10 209 01 08 351 4110 005  0850 134DRIFTWOOD DELPHINE SHER             21428.0C    5     100  $         1.80  $           9.0C   .
73 10 209 01 C8 351 411C C06  1216 134GRUFPS GROCERIES                    21428.0C    1     100  $       900.00  $         90C.00   1
73 10 209 01 0  351 4110 007  1688 134LAUNDRY SERVICE                     21428.CC    1     100  $        40.C0  $          40.00   1
73 10 209 01 08 351 4110 008       134HOME EC STANDARD                    21428.0C    1     100  $        38.25  $          38.25   1
73 10 209 01 C8 351 4110 C09  0836 134WESTBEND SAL PEP PAPRIK             21428.0C    1     10C  $         2.25  $           2.25   1
73 10 209 01 C8 351 513C 001  1196     134        GOOD HOUSEKEEPING       21459.0C    1     100  $         5.00  $           5.0C   1
73 10 209 01 C8 351 5130 CC2  C398     134        BETTER HOME AND GARD    21459.0C    1     100  $         4.C0  $           4.00   1
73 10 209 01 C8 351 5130 003  1083     134        FARM JOURNAL            21459.CC    1     100  $         2.00  $           2.00   1
73 10 209 01 08 351 5130 004  0965     134        WHATS NEW IN HOME EC    21459.CC    1     100  $         8.C0  $           8.00   1
73 10 209 01 08 351 5130 005  0948     134        LADIES HOME JOURNAL     21459.0C    1     100  $         4.00  $           4.00   1
73 10 209 01 08 351 6110 001       134 REPAIR AND REPLACEMENT             41811.03    1     100  $        60.C0  $          60.00   1
73 10 209 01 C8 351 611C 0C2  0836 134 WESTINGHOUSE ELEC STOV   KF330     41811.C3    2     100  $       239.95  $         479.90   1
73 10 209 01 08 351 7110 001       134HOMEECSTANDARDLIST                  7C811.03    1     100  $        20.00  $          20.00   1
        * COURSE TOTAL * 351 * - - - - - - - - - - - - -   $       1,6C6.85
73 10 209 01 08 361 4110 001  2430 145BOBINS FOR 404 HEAD                 21428.00  150     100  $          .09  $          13.50   1
73 10 209 01 08 361 4110 002  2430 145SINGER NEEDLES 404 HEAD             21428.0C  10C     100  $          .10  $          10.00   1
73 10 209 01 C8 361 4110 003  2020 145FABRICS FOR DEMONSTRATI             21428.0C   10     100  $         3.00  $          30.00   1
73 10 209 01 C8 361 4110 004  2430 145LOOP TURNER                         21428.00    1     100  $          .55  $            .55   1
73 10 209 01 C8 361 411C 0C5  2020 145THREAD ASSORTED COLORS              21428.0C   50     100  $          .20  $          10.00   1
73 10 209 01 08 361 4110 006  2020 145SKIRT HOOKS                         21428.00    6     100  $          .39  $           2.34   1
73 10 209 C1 08 361 4110 007  2020 145TAPES ASSORTED                      21428.00   25     100  $          .30  $           7.50   1
73 10 209 01 08 361 4110 008  2758 145BOBINS FOR VIKING 5000              21428.0C   1C     100  $          .C9  $    [illegible]   1
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                                         P R O P O S E D   B U D G E T   I T E M S
* HOME EC.   08 *       INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005    FEBRUARY 24, 1972     PAGE  017
  UPDATE SEQUENCE NO.                   ITEM DESCRIPTION                F.O.       UNITS    PCT.       UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 01 08 361 4110 009  2430 145MENDING KIT IRON ON                    21428.00    1     100  $        1.00  $         1.00   1
73 10 209 01 08 361 4110 010  2430 145PRESSERFOOT FOR 404HEAD                21428.00    1     100  $        2.95  $         2.95   1
73 10 209 01 08 361 4110 011  2020 145HOOK EYES SNAPS                        21428.00    6     100  $         .20  $         1.20   1
73 10 209 01 08 361 4110 012  2430 145CORD FOR FLOOR OUTLET40                21428.00    2     100  $        2.95  $         5.90   1
73 10 209 01 08 361 5120 001  1262      TODD ROBERTS 145 CLOTH FOR TEENS     21459.00    1     100  $        6.50  $         6.50   1
73 10 209 01 08 361 5120 002  1744      MEREDITH PUB 145  BHG SEWING BOOK    21459.00    1     100  $        7.95  $         7.95   1
73 10 209 01 08 361 5130 001  0754      145            CONSUMER BULLETIN     21459.00    1     100  $        8.00  $         8.00 A 2
73 10 209 01 08 361 5130 002  1640      145            MCCALLS               21459.00    1     100  $        3.95  $         3.95 A 2
73 10 209 01 08 361 5130 003  2426      145            SIMPLICITY FASHIONMG  21459.00    1     100  $        1.00  $         1.00 A 2
73 10 209 01 08 361 5130 004  0740      145            VOGUE                 21459.00    1     100  $       11.00  $        11.00 A 2
73 10 209 01 08 361 5130 005  1640      145            FORECAST              21459.00    1     100  $        6.00  $         6.00 A 2
73 10 209 01 08 361 5130 006  2388      145            SEVENTEEN             21459.00    1     100  $        6.00  $         6.00 A 2
73 10 209 01 08 361 5130 007  0965      145            WHATS NEW             21459.00    1     100  $        8.00  $         8.00 A 2
73 10 209 01 08 361 5130 008  1640      145            MCCALL PATTERN        21459.00    1     100  $        1.80  $         1.80 A 2
73 10 209 01 08 361 5130 009  0948      145            LADIES HOME JOURNAL   21459.00    1     100  $        4.00  $         4.00 A 2
73 10 209 01 08 361 6110 001  2430 145REPLACE HOOK DRIVE SHAF                41811.03    5     100  $       35.00  $       175.00   1
73 10 209 01 08 361 6110 002  2430 145REPLACEMENT SCREWS ETC                 41811.03    1     100  $       20.00  $        20.00   1
73 10 209 01 08 361 6210 001  2430 145 SERVICE MACHINES                      41811.03   13     100  $        7.00  $        91.00   1
73 10 209 01 08 361 7110 001  2756 1455OOC PART COMP OPEN ARM     5000       70811.03    2     100  $      192.51  $       385.02   1
        * COURSE TOTAL * 361 * - - - - - - - - - - - -   $         821.06
73 10 209 01 08 362 4110 001  1754 157SANFORD EXPRESSO PEN       2900        21428.00    6     100  $         .49  $         2.94   1
73 10 209 01 08 362 4110 002       157 GROCERIES                             21428.00    1     100  $       35.00  $        35.00   1
73 10 209 01 08 362 4110 003       157 HOME EC STANDARD LIST                 21428.00    1     100  $       21.93  $        21.93 A 2
73 10 209 01 08 362 5120 001  0384      157 DUNN      STEPS IN CLOTH SKILL   21459.00    4     100  $        6.60  $        26.40   1
73 10 209 01 08 362 5120 002  0384      157 GERKE B  DRESS                   21459.00    1     100  $        6.81  $         6.81   1
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                                          PROPOSED BUDGET ITEMS
* HOME EC.   08 *       INSTRUCTION       PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972     PAGE  015
   UPDATE SEQUENCE NO.                   ITEM DESCRIPTION                F.O.        UNITS   PCT.      UNIT COST         TOTAL COST  ACT
YR FD CRG PG PA CRS EXPD SEQ

73 10 209 01 08 362 5120 003  0384    157 CLAYTON  YOUNG LIVING         21459.00     4     100  $          5.73  $          22.92  1
73 10 209 01 08 362 5130 001  0398    157          BETTER HOMES GARDENS 21459.00     1     100  $          4.00  $           4.00  1
73 10 209 01 08 362 5130 002  2426    157          SIMPLICITY FASH MAG  21459.00     1     100  $          5.00  $           5.00  1
73 10 209 01 08 362 5130 003  2388    157          SEVENTEEN            21459.00     1     100  $          6.00  $           6.00  1
73 10 209 01 08 362 5130 004  0965    157          WHATS NEW IN HOME EC 21459.00     1     100  $          8.00  $           8.00  1
73 10 209 01 08 362 5130 005  1196    157          GOOD HOUSEKEEPING    21459.00     1     100  $          5.00  $           5.00  1
73 10 209 01 08 362 5130 006  0872    157          INGENUE              21459.00     1     100  $          5.00  $           5.00  1
73 10 209 01 08 362 5130 007  1640    157          MCCALLS NEEDLEWORK CR 21459.00    1     100  $          1.00  $           1.00  1
73 10 209 01 08 362 6210 001       157EQUIPMENT REPAIR                  41811.03     1     100  $         20.00  $          20.00  1
73 10 209 01 08 362 7110 001  1640 157IRONING UNIT         239   37HA46  70811.03     1     100  $        149.00  $         149.00  1
        * COURSE TOTAL * 362 * - - - - - - - - - - - - -   $        319.00
73 10 209 01 05 366 2110 001                               0210  HC  182  21133.00          27  $      2,293.20  $         619.16 A 5
        * COURSE TOTAL * 366 * - - - - - - - - - - - - -   $        619.16
73 10 209 01 08 367 1130 001  145                        H.EC.CL.9TH      21122.00          33  $     11,055.00  $       3,648.15 A 5
        * COURSE TOTAL * 367 * - - - - - - - - - - - - -   $      3,648.15
73 10 209 01 08 368 1130 001  134                   K    H EC FD 9TH      21122.00          33  $      7,930.00  $       2,616.90 A 5
        * COURSE TOTAL * 368 * - - - - - - - - - - - - -   $      2,616.90
73 10 209 01 08 369 1130 001  157                   L    H EC REL 9TH     21122.00          33  $      9,695.00  $       3,199.35 A 5
73 10 209 01 08 369 5120 001  0384    157BRISBANE  THE DEVELOPING CHILD 21459.00     4     100  $          5.85  $          23.40  1
73 10 209 01 08 369 5130 001  1994    157          PARENTS              21459.00     1     100  $          5.00  $           5.00  1
        * COURSE TOTAL * 369 * - - - - - - - - - - - - -   $      3,227.75
73 10 209 01 08 370 1130 001  1                     L    H EC BOYS        21122.00          10  $      9,695.00  $         969.50 A 5
73 10 209 01 08 370 1130 002  134                   K    H EC BOYS        21122.00          10  $      7,930.00  $         793.00 A 5
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                              P R O P O S E D   B U D G E T   I T E M S

* HOME EC.   08 *      INSTRUCTION     PROGRESS CITY JR. HIGH   DIST--3141        RLN NO. 005   FEBRUARY 24, 1972     PAGE  OIR
   UPDATE SEQUENCE NO.                ITEM DESCRIPTION                  F.O.       UNITS   PCT.     UNIT COST      TOTAL COST   ACT
YR FD ORG PG PA CRS EXPC SEQ

73 10 209 01 08 370 1130 003  145                    H.EC.BOYS         21122.00             10  $   11,055.00  $     1,105.50 A 5

73 10 209 01 08 370 2110 001                             0210  60  182  21133.00             11  $    2,293.20  $       252.25 A 5

73 10 209 01 08 370 5130 001  1601    157          LETTERMEN           21459.00    1       100  $        4.00  $         4.00   1

73 10 209 01 08 370 5130 002  0479    157          TEEN AND BOYS       21459.00    1       100  $        4.00  $         4.00   1

         * COURSE TOTAL * 370 * - - - - - - - - - - - - -   $      3,128.25

       **  DEPARTMENT  TOTAL ** HOME EC.   * - - - - - -   $     35,534.29
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                                             P R O P O S E D   B U D G E T   I T E M S

* IND. ARTS  11 *       INSTRUCTION      PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  020
    UPDATE SEQUENCE NO.                  ITEM DESCRIPTION              F.O.        UNITS    PCT.      UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPE SEQ

73 10 209 01 11 160 7110 001  0496 165 PIPE CUTTER 18114          1A  70811.03    1     100  $         16.50  $         16.50   1

         * COURSE TOTAL * 160 * - - - - - - - - - - - - -   $        16.50

73 10 209 01 11 161 1130 001  166                C    WOOD           21122.00             4  $     13,890.00  $        555.60 A 5

73 10 209 01 11 161 1130 002  165               LE    WOOD           21122.00             7  $      7,580.00  $        530.60 A 5

73 10 209 01 11 161 1130 003  164                          WOOD      21122.00            14  $     12,875.00  $      1,802.50 A 5

73 10 209 01 11 161 4110 001  5025 STAND LIST 7TH WOOD               21429.00    1       30  $        421.20  $        126.36   1

73 10 209 01 11 161 5120 001                       REF  7TH WOOD     21429.00    1        8  $        300.00  $         24.00   1

73 10 209 01 11 161 6110 001  5025 REPLACE  7TH WOOD                 41811.03    1        8  $        200.00  $         16.00 A 2

73 10 209 01 11 161 6210 001  5025 REPAIR ALLOW  7TH WOOD      1     41811.03    1        8  $        150.00  $         12.00 A 2

         * COURSE TOTAL * 161 * - - - - - - - - - - - - -   $     3,067.06

73 10 209 01 11 162 1130 001  164                          DRAWING   21122.00            14  $     12,875.00  $      1,802.50 A 5

73 10 209 01 11 162 1130 002  165                      DRAWING       21122.00             7  $      7,580.00  $        530.60 A 5

73 10 209 01 11 162 1130 003  166                C     DRAWING       21122.00             4  $     13,890.00  $        555.60 A 5

73 10 209 01 11 162 4110 001  5023 STAND LIST 7TH DRAW  SUPP         21429.00    1       30  $        391.95  $        117.59   1

73 10 209 01 11 162 5120 001                       REF  7TH DRAW     21429.00    1        8  $        300.00  $         24.00   1

73 10 209 01 11 162 6110 001  5023 REPLACE  7TH DRAW                 41811.03    1        8  $        200.00  $         16.00 A 2

73 10 209 01 11 162 6210 001  5023 REPAIR ALLOW 7TH DRAW             41811.03    1        8  $        150.00  $         12.00 A 2

         * COURSE TOTAL * 162 * - - - - - - - - - - - - -   $     3,058.29

73 10 209 01 11 163 1130 001  166                C     METAL         21122.00             2  $     13,890.00  $        277.80 A 5

73 10 209 01 11 163 1130 002  165                      METAL         21122.00             4  $      7,580.00  $        303.20 A 5

73 10 209 01 11 163 1130 003  164                          METALS    21122.00             6  $     12,875.00  $        772.50 A 5

73 10 209 01 11 163 4110 001  5008 STAND LIST 7TH METAL SUPP         21429.00    1       30  $        198.60  $         59.58   1

73 10 209 01 11 163 5120 001                       REF  7TH METAL    21429.00    1        5  $        300.00  $         15.00   1

73 10 209 01 11 163 6110 001  5008 REPLACE 7TH METAL                 41811.03    1        5  $        200.00  $         10.00 A 2
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                                        P R O P O S E D   B U D G E T   I T E M S
* IND. ARTS  11 *       INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141         RUN NO. 005    FEBRUARY 24, 1972      PAGE  C21
  UPDATE SEQUENCE NO.                   ITEM DESCRIPTION                                                                                       
YR FD CRG PG PA CRS EXPC SEQ                                              F.O.      UNITS    PCT.      UNIT COST       TOTAL COST   ACT

73 10 209 01 11 163 621C 0C1  5008 REPAIR ALLOW 7TH METAL          41811.03    1      5  $      150.00  $          7.50 A 2
        * COURSE TOTAL * 163 * - - - - - - - - - - - - -   $     1,445.58
73 10 209 01 11 164 1130 0C1  164                ELECTRICITY       21122.00           6  $   12,875.00  $        772.50 A 5
73 10 209 01 11 164 1130 002  165                ELECTRICITY       21122.0C           4  $    7,580.C0  $        303.20 A 5
73 10 209 01 11 164 1130 0C3  166            C   ELECTRICITY       21122.0C           2  $   13,890.C0  $        277.80 A 5
73 10 209 01 11 164 4110 001  5012 STAND LIST 7TH ELEC  SUPP       21429.00    1     30  $      165.45  $         49.64   1
73 10 209 01 11 164 5120 0C1                REF  7TH ELEC          21429.00    1      5  $      300.CC  $         15.00   1
73 10 209 01 11 164 6110 0C1  5012 REPLACE  7TH ELEC               41811.03    1      5  $      200.00  $         10.00 A 2
73 10 209 01 11 164 621C C01  5012 REPAIR ALLOW 7TH ELECT          41811.C3    1      5  $      150.CC  $          7.50 A 2
        * COURSE TOTAL * 164 * - - - - - - - - - - - - -   $     1,435.64
73 10 209 01 11 261 1130 001  166            C    WOOD             21122.0C          10  $   13,890.C0  $      1,389.00 A 5
73 10 209 01 11 261 1130 0C2  165                 WOOD             21122.CC          15  $    7,580.CC  $      1,137.00 A 5
73 10 209 01 11 261 1130 003  164                        WOOD      21122.00           8  $   12,875.C0  $      1,030.00 A 5
73 10 209 01 11 261 4110 001  5025 STAND LIST  8TH WOOD            21429.00    1     30  $      421.20  $        126.36   1
73 10 209 01 11 261 512C 0C1                REF  8TH WOOD          21429.00    1      8  $      300.00  $         24.00   1
73 10 209 01 11 261 6110 001  5025 REPLACE  8TH WOOD               41811.C3    1      8  $      200.C0  $         16.00 A 2
73 10 209 01 11 261 6210 001  5025 REPAIR ALLOW  8TH WOOD          41811.03    1      8  $      150.CC  $         12.00 A 2
        * COURSE TOTAL * 261 * - - - - - - - - - - - - -   $     3,734.36
73 10 209 01 11 262 1130 001  164            C        DRAWING      21122.0C           8  $   12,875.CC  $      1,030.CC A 5
73 10 209 01 11 262 1130 002  165                 DRAWING          21122.0C          15  $    7,580.C0  $      1,137.00 A 5
73 10 209 01 11 262 1130 003  166            C    DRAWING          21122.00          10  $   13,890.C0  $      1,389.00 A 5
73 10 209 01 11 262 411C C01  5023 STAND LIST 8TH DRAW  SUPP       21429.CC    1     30  $      391.55  $        117.47   1
73 10 209 01 11 262 512C 001                REF  8TH DRAW          21429.0C    1      8  $      300.C0  $         24.00   1
73 10 209 01 11 262 6110 0C1  5023 REPLACE  8TH DRAW               41811.03    1      8  $      200.C0  $         16.C0 A 2
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                                        P R O P O S E D   B U D G E T   I T E M S
* IND. ARTS  11 *       INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141         RUN NO. 005   FEBRUARY 24, 1972      PAGE  C22
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION               F.O.       UNITS    PCT.       UNIT COST       TOTAL COST   ACT
YR FD CRG PG PA CRS EXPD SEQ

73 10 209 01 11 262 6210 001  5023 REPAIR ALLOW 8TH DRAW                41811.03    1       8  $       150.00  $        12.00 A 2
        * COURSE TOTAL * 262 * - - - - - - - - - - - - -  $     3,725.59
73 10 209 01 11 263 1130 001  166                  C    METAL           21122.00            4  $    13,890.00  $       555.60 A 5
73 10 209 01 11 263 1130 002  165                       METAL           21122.00            7  $     7,580.00  $       530.60 A 5
73 10 209 01 11 263 1130 003  164                  C          METALS    21122.00            4  $    12,875.00  $       515.00 A 5
73 10 209 01 11 263 4110 001  5008 STAND LIST 8TH METAL SUPP            21429.00    1      30  $       198.60  $        59.58   1
73 10 209 01 11 263 5120 001                            REF  8TH METAL  21429.00    1       5  $       300.00  $        15.00   1
73 10 209 01 11 263 6110 001  5008 REPLACE 8TH METAL                    41811.03    1       5  $       200.00  $        10.00 A 2
73 10 209 01 11 263 6210 001  5008 REPAIR ALLOW 8TH METAL               41811.03    1       5  $       150.00  $         7.50 A 2
        * COURSE TOTAL * 263 * - - - - - - - - - - - - -  $     1,693.28
73 10 209 01 11 264 1130 001  164                  C     ELECTRICITY    21122.00            4  $    12,875.00  $       515.00 A 5
73 10 209 01 11 264 1130 002  165                       ELECTRICITY     21122.00            7  $     7,580.00  $       530.60 A 5
73 10 209 01 11 264 1130 003  166                  C    ELECTRICITY     21122.00            4  $    13,890.00  $       555.60 A 5
73 10 209 01 11 264 4110 001  5012 STAND LIST 8TH ELEC  SUPP            21429.00    1      30  $       165.45  $        49.64   1
73 10 209 01 11 264 5120 001                            REF  8TH ELEC   21429.00    1       5  $       300.00  $        15.00   1
73 10 209 01 11 264 6110 001  5012 REPLACE  8TH ELEC                    41811.03    1       5  $       200.00  $        10.00 A 2
73 10 209 01 11 264 6210 001  5012 REPAIR ALLOW 8TH ELECT               41811.03    1       5  $       150.00  $         7.50 A 2
        * COURSE TOTAL * 264 * - - - - - - - - - - - - -  $     1,683.34
73 10 209 01 11 328 1130 001  164                  C     POWER MECH     21122.00            4  $    12,875.00  $       515.00 A 5
73 10 209 01 11 328 4110 001  0496 165 GREASE GUN CARTRIDGE        102  21429.00    2     100  $          .90  $         1.80   1
73 10 209 01 11 328 4110 002  5002 STAN LIST POWER MECH SUPP            21429.00    1     100  $        24.00  $        24.00 A 2
73 10 209 01 11 328 5120 001  [illegible]    TECH PUB DIV SMALL ENGINE SER MAN 21459.00    1     100  $         6.00  $         6.00   1
73 10 209 01 11 328 5120 003  1198    PURVIS       SMALL GAS ENGINES    21459.00    1     100  $         4.68  $         4.68   1
73 10 209 01 11 328 5120 005  1198    ATTEBERRY    POWER MECHANICS      21459.00    6     100  $         7.25  $        43.50   1
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                                   P R O P O S E D   B U D G E T   I T E M S

* IND. ARTS  11 *       INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972     PAGE  023
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION                F.O.         UNITS    PCT.     UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPE SEQ


73 10 209 01 11 328 5120 006                           REFERENCE BOOK MECH  21429.00     1      10  $       300.00  $         30.00 A 2
73 10 209 01 11 328 6110 001        REPLACE POWER MECH                      41811.03     1      10  $       200.00  $         20.00 A 2
73 10 209 01 11 328 6110 002  0496 POWER MECH TOOLS "PROTO"     55A-SP     41811.03     1     100  $        60.00  $         60.00 A 4
73 10 209 01 11 328 6210 001        REPAIR ALLOW POWER MECH                 41811.03     1      10  $       150.00  $         15.00 A 2
73 10 209 01 11 328 7110 001  0496 MIKE 3-4 N-436P                1971     41811.03     1     100  $        26.50  $         26.50 A 2
73 10 209 01 11 328 7110 002  0496 TELESP GAGE NO-229A    P661    1971     41811.03     1      00  $         4.85  $          4.85 A 2
73 10 209 01 11 328 7110 003  0496 MIKE 1-2 N-436P                1971     41811.03     1     100  $        21.00  $         21.00 A 2
73 10 209 01 11 328 7110 004  0496 TELESP GAGE NO-229C            1971     41811.03     1     100  $         5.30  $          5.30 A 2
73 10 209 01 11 328 7110 005  0496 THICKNESS GAGE A-209   P686    1971     41811.03     3     100  $         2.75  $          8.25 A 2
73 10 209 01 11 328 7110 006  0496 TORQUE WRENCH T-100 18 604     1971     41811.03     2     100  $        10.50  $         21.00 A 2
73 10 209 01 11 328 7110 007  0496 CARBON BRUSHES U-21419         1971     41811.03     1     100  $         2.30  $          2.30 A 2
73 10 209 01 11 328 7110 008  0496 INDIC BASE  A-657      P684    1971     41811.03     1     100  $        24.00  $         24.00 A 2
73 10 209 01 11 328 7110 009  0496 CARBON BRUSHES G-37559         1971     41811.03     1     100  $         2.50  $          2.50 A 2
73 10 209 01 11 328 7110 010  0496 OIL TEST INDIC N-196   P684    1971     41811.03     1     100  $        30.75  $         30.75 A 2
73 10 209 01 11 328 7110 011  0496 BRIGG/STRALN ENGIN S-60/10     1971     41811.03     1     100  $        25.00  $         25.00 D 4
73 10 209 01 11 328 7110 012  0496 HOLE GAGE BALL N-897   P386    1971     41811.03     1     100  $        17.50  $         17.50 A 2
73 10 209 01 11 328 7110 013  0496 CARBON BRUSHES H-21416         1971     41811.03     1     100  $         2.30  $          2.30 A 2
73 10 209 01 11 328 7110 014  0496 TELESP GAGE N/-229D            1971     41811.03     1     100  $         6.80  $          6.80 A 2
73 10 209 01 11 328 7110 015  0496 MIKE 0-1 N-436P        P681    1971     41811.03     1     100  $        16.50  $         16.50 A 2
73 10 209 01 11 328 7110 016  0496 MAG COL & COND TEST M-603      1971     41811.03     1     100  $        65.50  $         65.50 A 2
73 10 209 01 11 328 7110 017  0496 TELESP GAGE NO-229B            1971     41811.03     1     100  $         5.10  $          5.10 A 2
      * COURSE TOTAL * 328 * - - - - - - - - - - - - -   $       575.73
73 10 209 01 11 361 1130 001  165                     WOOD                  21122.00             7  $     7,580.00  $        530.60 A 5
73 10 209 01 11 361 1130 002  164              C            WOOD            21122.00             8  $    12,675.00  $   [illegible] A 5
73 10 209 01 11 361 1130 003  166              C      WOOD                  21122.00            16  $    13,890.00  $      2,222.40 A 5
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                                  P R O P O S E D   B U D G E T   I T E M S

* IND. ARTS  11 *       INSTRUCTION      PROGRESS CITY JR. HIGH     DIST--3141          RUN NO. 005    FEBRUARY 24, 1972      PAGE  024
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION                  F.O.         UNITS    PCT.       UNIT COST        TOTAL COST   ACT
YR FD CRG PG PA CRS EXPC SEQ


73 10 209 01 11 361 4110 001  5025 STAND LIST   9TH WOOD               21429.00     1       40  $        421.20  $          168.48   1

73 10 209 01 11 361 5120 001                          REF  9TH WOOD     21429.00     1        9  $        300.00  $           27.00   1

73 10 209 01 11 361 6110 001  5025 REPLACE  9TH WOOD                   41811.03     1        9  $        200.00  $           18.00 A 2

73 10 209 01 11 361 6210 001  5025 REPAIR ALLOW  9TH WOOD              41811.03     1        9  $        150.00  $           13.50 A 2

        * COURSE TOTAL * 361 * - - - - - - - - - - - - -  $     4,009.98

73 10 209 01 11 362 1130 001  166                   C    DRAWING        21122.00              16  $     13,890.00  $        2,222.40 A 5

73 10 209 01 11 362 1130 002  164                   C         DRAWING   21122.00               8  $     12,875.00  $        1,030.00 A 5

73 10 209 01 11 362 1130 003  165                        DRAWING        21122.00               7  $      7,580.00  $          530.60 A 5

73 10 209 01 11 362 4110 001  5023 STAND LIST 9TH DRAW  SUPP           21429.00     1       40  $        391.95  $          156.78   1

73 10 209 01 11 362 5120 001                          REF  9TH DRAW     21429.00     1        9  $        300.00  $           27.00   1

73 10 209 01 11 362 6110 001  5023 REPLACE  9TH DRAW                   41811.03     1        9  $        200.00  $           18.00 A 2

73 10 209 01 11 362 6210 001  5023 REPAIR ALLOW 9TH DRAW               41811.03     1        9  $        150.00  $           13.50 A 2

        * COURSE TOTAL * 362 * - - - - - - - - - - - - -  $     3,998.28

73 10 209 01 11 363 1130 001  165                        METAL          21122.00               4  $      7,580.00  $          303.20 A 5

73 10 209 01 11 363 1130 002  164                   C         METALS    21122.00               4  $     12,875.00  $          515.00 A 5

73 10 209 01 11 363 1130 003  166                   C    METAL          21122.00               8  $     13,890.00  $        1,111.20 A 5

73 10 209 01 11 363 4110 001  5008 STAND LIST 9TH METAL SUPP           21429.00     1       40  $        198.60  $           79.44   1

73 10 209 01 11 363 5120 001                          REF  9TH METAL    21429.00     1        5  $        300.00  $           15.00   1

73 10 209 01 11 363 6110 001  5008 REPLACE 9TH METAL                   41811.03     1        5  $        200.00  $           10.00 A

73 10 209 01 11 363 6210 001  5008 REPAIR ALLOW 9TH METAL              41811.03     1        5  $        150.00  $            7.50 A 2

        * COURSE TOTAL * 363 * - - - - - - - - - - - - -  $     2,041.34

73 10 209 01 11 364 1130 001  166                   C    ELECTRICITY    21122.00               8  $     13,890.00  $        1,111.20 A 5

73 10 209 01 11 364 1130 002  165                        ELECTRICITY    21122.00               4  $      7,580.00  $          303.20 A 5

73 10 209 01 11 364 4110 001  5012 STAND LIST 9TH ELEC  SUPP           21429.00     1       40  $        165.45  $           66.18   1
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                         P R O P O S E D   B U D G E T   I T E M S

* IND. ARTS  11 *      INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  025
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION                 F.O.       UNITS   PCT.      UNIT COST       TOTAL COST   ACT
YR FD CRG PG PA CRS EXPD SEQ

73 10 209 01 11 364 5120 001           ANDERSON     REF  9TH ELEC      21429.00     1        5  $       300.00  $           15.00    1

73 10 209 01 11 364 6110 001  5012 REPLACE  9TH ELEC                   41811.03     1        5  $       200.00  $           10.00 A 2

73 10 209 01 11 364 6210 001  5012 REPAIR ALLOW 9TH ELECT              41811.03     1        5  $       150.00  $            7.50 A 2

        * COURSE TOTAL * 364 * - - - - - - - - - - - - -   $      1,513.08

73 10 209 01 11 365 1130 001  165                    METAL             21122.00              2  $     7,580.00  $          151.60 A 5

73 10 209 01 11 365 1130 002  165                    DRAWING           21122.00              4  $     7,580.00  $          303.20 A 5

73 10 209 01 11 365 1130 003  165                    WOOD              21122.00              4  $     7,580.00  $          303.20 A 5

73 10 209 01 11 365 1130 004  165                    ELECTRICITY       21122.00              2  $     7,580.00  $          151.60 A 5

73 10 209 01 11 365 1130 005  166               C    METAL             21122.00              2  $    13,890.00  $          277.80 A 5

73 10 209 01 11 365 1130 006  166               C    DRAWING           21122.00              4  $    13,890.00  $          555.60 A 5

73 10 209 01 11 365 1130 007  166               C    WOOD              21122.00              4  $    13,890.00  $          555.60 A 5

73 10 209 01 11 365 1130 008  166               C    ELECTRICITY       21122.00              2  $    13,890.00  $          277.80 A 5

73 10 209 01 11 365 1130 009  164               C           METALS     21122.00              2  $    12,875.00  $          257.50 A 5

73 10 209 01 11 365 1130 010  164               C          DRAWING     21122.00              4  $    12,875.00  $          515.00 A 5

73 10 209 01 11 365 1130 011  164               C             WOOD     21122.00              4  $    12,875.00  $          515.00 A 5

73 10 209 01 11 365 1130 012  164               C      ELECTRICITY     21122.00              2  $    12,875.00  $          257.50 A 5

73 10 209 01 11 365 4110 001        STAN LIST GIRLS IA SUPP            21429.00     1        5  $     1,201.80  $           60.09 A 2

73 10 209 01 11 365 5120 001                      REFERENCE BOOK GIRLS 21429.00     1       10  $       300.00  $           30.00 A 2

73 10 209 01 11 365 6110 001        REPLACE GIRLS IA                   41811.03     1       10  $       200.00  $           20.00 A 2

73 10 209 01 11 365 6210 001        REPAIR ALLOW GIRLS                 41811.03     1       10  $       150.00  $           15.00 A 2

        * COURSE TOTAL * 365 * - - - - - - - - - - - - -   $      4,246.49

73 10 209 01 11 450 5120 001  0362    LINDBECK LAT GUIDE TEACH GEN IND 21459.00     1      100  $         4.00  $            4.00 I 2

73 10 209 01 11 450 5120 002  0362    LINDBECK LAT GEN IND WORK BOOK   21459.00     3      100  $          .90  $            2.70    1

73 10 209 01 11 450 5120 003  0362    LINDBECK LAT GENERAL INDUSTRY BK 21459.00     3      100  $         4.68  $           14.04    1
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                                   P R O P O S E D   B U D G E T   I T E M S
* IND. ARTS  11 *       INSTRUCTION      PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972       PAGE  026
   UPDATE SEQUENCE NO.                   ITEM DESCRIPTION                 F.O.       UNITS   PCT.        UNIT COST       TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 01 11 450 5120 004  0382    LINDBECK LAT GEN IND LAB MANUAL   21459.00    3     100  $      1.98  $       5.94   1
73 10 209 01 11 450 6110 001  0496 165 LOCK ALL DIFFERENT KEY    1568   41811.03   12     100  $      1.75  $      21.00   1
73 10 209 01 11 450 7110 001  0496 TOO STOR CAB P-TM11 GRAY      1571   41811.03    1     100  $    499.00  $     499.00   1
73 10 209 01 11 450 7120 001  2104 CAMERA INST-MATIC KODK X30            70811.04    1      25  $     30.00  $       7.50 A 2
73 10 209 01 11 450 7120 002  2104 CASSET RECORD SONY TC-120             70811.04    1      25  $    120.00  $      30.00 A 2
73 10 209 01 11 450 7120 003  2104 CAROUSEL  PROJ KODK 650               70811.04    1      25  $     76.95  $      19.24 A 2
73 10 209 01 11 450 7120 004  2104 CAROUSEL LENS 4IN F2.8                70811.04    1      25  $     14.00  $       3.50 A 4
73 10 209 01 11 450 7130 001  0572 SMITH COR SP O MAT 75 PICA            70811.04    1      25  $    200.00  $      50.00 A 2
        * COURSE TOTAL * 450 * - - - - - - - - - - - - -   $       656.92
73 10 209 01 11 451 4110 001  0496 165 295 SURE SANDER BLADE             21429.00   10     100  $       .90  $       9.00   1
73 10 209 01 11 451 4110 002  0496 165 LACQUER THINNER    GAL            21429.00    5     100  $      2.85  $      14.25   1
73 10 209 01 11 451 4110 003  0496 165 PONY BAND CLAMP           1215   21429.00    2     100  $      3.55  $       7.10   1
73 10 209 01 11 451 4110 004  2486 165 WONDER WASH          QT           21429.00    4     100  $      1.60  $       6.40   1
73 10 209 01 11 451 5120 001  1198     WAGNER       MODERN CARPENTRY     21459.00    1     100  $      5.57  $       5.57   1
73 10 209 01 11 451 5120 002  1654     MCGINNIS RUL  BASIC WOODWORK PROJ 21459.00    6     100  $      5.00  $      30.00 A 4
73 10 209 01 11 451 9110 001  0496 165 1/4" DOWELS 36" LENGTH            21429.00  100     100  $       .04  $       4.00   1
73 10 209 01 11 451 9110 002  0496 165 1/2" DOWELS 36" LENGTH            21429.00  200     100  $       .10  $      20.00   1
73 10 209 01 11 451 9110 003  0496 165 5/8" DOWELS 36" LENGTH            21429.00   50     100  $       .13  $       6.50   1
73 10 209 01 11 451 9110 004  0496 165 1" DOWELS 36" LENGTH              21429.00   50     100  $       .37  $      18.50   1
73 10 209 01 11 451 9110 005  0496 165 3/4" DOWELS 36" LENGTH            21429.00   50     100  $       .22  $      11.00   1
73 10 209 01 11 451 9110 006  0496 165 3/8" DOWELS 36" LENGTH            21429.00  200     100  $       .06  $      12.00   1
73 10 209 01 11 451 9110 007  0496 165 5/16" DOWELS 36" LENGT            21429.00  100     100  $       .05  $       5.00   1
        * COURSE TOTAL * 451 * - - - - - - - - - - - - -   $       149.72
73 10 209 01 11 460 [illegible] 001  0496 165 ALPHABET TEMP      0300   21429.00    2     100  $      1.50  $       3.00   1
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                                   P R O P O S E D   B U D G E T   I T E M S

* IND. ARTS  II *        INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141          RLN NO. 025   FEBRUARY 24, 1972      PAGE  027
   UPDATE SEQUENCE NO.                      ITEM DESCRIPTION                F.O.           UNITS   PCT.       UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 01 11 460 4110 002  0496 165 ELECTRONIC TEM            1610   21429.00     1      100  $          3.95  $           3.95   1
73 10 209 01 11 460 4110 003  0496 ULK CIRCLE TEMP                785   21429.00     1      100  $          1.00  $           1.00   1
73 10 209 01 11 460 4110 004  0496 165 11 X 15 BL AND WT REEM  222M10   21429.00     1      100  $          6.50  $           6.50   1
73 10 209 01 11 460 4110 005  0496 165 TAPER TIP ERASER   DOZ    1212   21429.00   100      100  $           .35  $          35.00   1
73 10 209 01 11 460 4110 006  0496 165 9 X 12 BL AND WT  REEM  222M10   21429.00     2      100  $          4.50  $           9.00   1
73 10 209 01 11 460 4110 007  0496 165 TEMPLATE FORMER            260   21429.00     1      100  $          5.50  $           5.50   1
73 10 209 01 11 460 4110 008  0496 165 X ACTO DOUBLE SET           62   21429.00     1      100  $          2.90  $           2.90   1
73 10 209 01 11 460 4110 009  0496 165 9 X 12 TRAC PAPER REEM      43   21429.00     2      100  $          3.90  $           7.80   1
73 10 209 01 11 460 4110 010  0496 165 12 X 18 TRAC PAPR REEM      43   21429.00     1      100  $          7.40  $           7.40   1
73 10 209 01 11 460 4110 011  0496 165 CONTAC CEMENT 1 QT CAN           21429.00     3      100  $          2.15  $           6.45   1
73 10 209 01 11 460 4110 012  0496 165 SNAP FASTENER SET          470   21429.00     1      100  $          2.25  $           2.25   1
73 10 209 01 11 460 4110 013  0496 165 CONTAC CEMENT 3 OZ BLT           21429.00     6      100  $           .70  $           4.20   1
73 10 209 01 11 460 5120 001  1668    SPENCER      BASIC TECH DRAW      21459.00     1      100  $          7.00  $           7.00 I 4
73 10 209 01 11 460 5420 001  0080    HARMAN       INTRO MECH DRAWING   21459.00    20      100  $          2.64  $          52.80 A 4
        * COURSE TOTAL * 460 * - - - - - - - - - - - - -   $        154.75
73 10 209 01 11 470 4110 001  0496 165 FLAT BLACK         QT            21429.00     3      100  $          1.85  $           5.55   1
73 10 209 01 11 470 5120 001  1198    WALKER       MODERN METAL WORKING 21459.00     1      100  $          5.97  $           5.97   1
73 10 209 01 11 470 6110 001  0496 165 EZY OUT NO 2 G80           155   41811.03     1      100  $           .65  $            .65   1
73 10 209 01 11 470 6110 002  0496 165 CUTTING TUBE    SIZE 0     155   41811.03     1      100  $           .90  $            .90   1
73 10 209 01 11 470 6110 003  0496 165 AM STAN WIRE GUAGE         281   41811.03     1      100  $          8.40  $           8.40   1
73 10 209 01 11 470 6110 004  0496 165 DRAW GUAGE OSBORN         5112   41811.03     1      100  $         12.50  $          12.50   1
73 10 209 01 11 470 6110 005  2372 165 SOLDER IRON 200 W        53831   41811.03     2      100  $          9.50  $          19.00   1
73 10 209 01 11 470 6110 006  0496 165 U S STANDARD GUAGE         283   41811.03     1      100  $          8.95  $           8.95   1
73 10 209 01 11 470 6110 007  0496 165 REAMER                     130   41811.03     2      100  $          2.30  $           4.60   1
73 10 209 01 11 470 7110 001  0496 FOUND FURNACE N-8/G900P661    1971   41811.03     1      100  $        457.00  $         457.00   1
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                                   P R O P O S E D   B U D G E T   I T E M S
* IND. ARTS  11 *      INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  028
  UPDATE SEQUENCE NO.                  ITEM DESCRIPTION                F.O.        UNITS    PCT.     UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 01 11 470 7110 002  0496 FOUNDRY BENCH N-B/G MB5B       1971   41811.03   1     100  $      126.00  $         126.00   1
73 10 209 01 11 470 7110 003  0496 FOUND PACK N-B/G70    P661     1971   41811.03   1     100  $      425.00  $         425.00   1
73 10 209 01 11 470 7110 004  0496 BEVERLY CUT SHER M-B2          1971   41811.03   1     100  $      127.75  $         127.75   1
73 10 209 01 11 470 7110 005  0496 BEV CUT SHER BLDES M-B2        1971   41811.03   1     100  $       21.75  $          21.75   1
73 10 209 01 11 470 7110 006  0496 MILLER SPOT WELD M-LSP11       1971   41811.03   1     100  $      225.00  $         225.00   1
73 10 209 01 11 470 9110 001  0496 165 NICHELSILVER 16 GA  FT            21429.00  10     100  $        3.42  $          34.20   1
        * COURSE TOTAL * 470 * - - - - - - - - - - - - -  $    1,483.22
73 10 209 01 11 480 4110 001  2372 165 AA BATTERY  ALK DR E91  4G4655  21429.00  12     100  $         .50  $           6.00   1
73 10 209 01 11 480 4110 002  0496 165 APPLIANCE BULB 25 WATT    1280   21429.00  12     100  $        1.00  $          12.00   1
73 10 209 01 11 480 5120 001  1198    FLOYD MIX    HOUSE WIRING          21459.00   3     100  $        2.70  $           8.10   1
73 10 209 01 11 480 6110 001  0496 BELT SAND N-503XHC 3X24        1971   41811.03   1     100  $      185.00  $         185.00   1
73 10 209 01 11 480 6110 002  0496 DRIL PRES M-49-742 SLC-SPD     1971   41811.03   1     100  $      392.70  $         392.70
73 10 209 01 11 480 6110 003  2372 VAC DUS COLL 55GAL SEARS       FALL   41811.03   1     100  $      100.00  $         100.00
73 10 209 01 11 480 6110 004  0496 POWR SUPP N-E3        P371     1971   41811.03   1     100  $      150.00  $         150.00
73 10 209 01 11 480 6110 005  0496 SAND B/D HV DUT N-6122 187     1971   41811.03   3     100  $       82.00  $         246.00
73 10 209 01 11 480 7110 001  0496 3E EXPERIMENT MARK-2  P371     1971   41811.03   1     100  $      359.00  $         359.00
        * COURSE TOTAL * 480 * - - - - - - - - - - - - -  $    1,458.80
     **  DEPARTMENT  TOTAL ** IND. ARTS  * - - - - - -    $   40,547.95
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                                            P R O P O S E D   B U D G E T   I T E M S

* ART         12 *      INSTRUCTION       PROGRESS CITY JR. HIGH     DIST—3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  029
   UPDATE SEQUENCE NO.                   ITEM DESCRIPTION                 F.O.        UNITS    PCT.      UNIT COST       TOTAL COST   ACT
YR FD CRG PG PA CRS EXPD SEQ

73 10 209 01 12 171 1130 001  108                     J     ART                  21122.00            48  $     10,050.00  $       4,824.00 A 5

73 10 209 01 12 171 1130 002  150                     H     ART                  21122.00            20  $     12,025.00  $       2,405.00 A 5

73 10 209 01 12 171 4100 002  0426 108BALSA ASSORTMENT            B57331   21422.00    1       100  $         24.90  $          24.90  1

73 10 209 01 12 171 4100 003  0426 108MAGIC MARKER SETS            B4133   21422.00   12       100  $          1.80  $          21.60  1

73 10 209 01 12 171 4100 004  0426 108SPRAY BLACK ENAMEL          B45055   21422.00    4       100  $          1.60  $           6.40  1

73 10 209 01 12 171 4100 005  0426 108TISSUE PAPER 20X30 ASST       A414   21422.00    4       100  $           .95  $           3.80  1

73 10 209 01 12 171 4100 009  0426 108PRINTMASTER PLATES 9X12      B8702   21422.00   36       100  $           .66  $          23.76  1

73 10 209 01 12 171 4100 010  0426 108MOD PODGE PINT              B52100   21422.00    3       100  $          2.00  $           6.00  1

73 10 209 01 12 171 4100 019  0246 108SPONGES                         6A   21422.00    6       100  $           .35  $           2.10  1

73 10 209 01 12 171 4100 020  0246 108FLUORESCENT COLORS          PS1203   21422.00    2       100  $          2.00  $           4.00  1

73 10 209 01 12 171 4110 004  0426 150 WIRE SPOOLS                  A543   21422.00    6       100  $          2.38  $          14.28  1

73 10 209 01 12 171 4110 005  1216 150 ALUM FOIL                           21422.00   10       100  $           .39  $           3.90  1

73 10 209 01 12 171 4110 006  1084 150 1"X2" PINE BOARDS                   21422.00  100       100  $           .12  $          12.00  1

73 10 209 01 12 171 4110 007  1792 150 ELEPHANT EAR SPONGES                21422.00    4       100  $          1.15  $           4.60  1

73 10 209 01 12 171 4110 008  0444 150 GRADED BIRCH DOWELS 1/              21422.00    3       100  $          4.00  $          12.00  1

          * COURSE TOTAL * 171 * - - - - - - - - - - - - -  $      7,368.34

73 10 209 01 12 271 1130 001  150                     H     ART                  21122.00            20  $     12,025.00  $       2,405.00 A 5

73 10 209 01 12 271 1130 002  108                     J     ART                  21122.00            30  $     10,050.00  $       3,015.00 A 5

73 10 209 01 12 271 4100 003  0426 108BURLAP CADET BLUE            B5745   21422.00    5       100  $           .50  $           2.50  1

73 10 209 01 12 271 4100 004  2043 108DYE LAMINATE AMBER 802               21422.00    1       100  $          1.65  $           1.65  1

73 10 209 01 12 271 4100 005  2043 108BEAD CHAIN NICKEL 4 1/2          3   21422.00  100       100  $           .01  $           1.00  1

73 10 209 01 12 271 4100 006  0426 108BURLAP CHARTREUSE            B5745   21422.00    5       100  $           .50  $           2.50  1

73 10 209 01 12 271 4100 008  0426 108BURLAP BLACK                 B5745   21422.00    5       100  $           .50  $           2.50  1

73 10 209 01 12 271 4100 020  0132 108FELT REMNANTS                 5113   21422.00    2       100  $          1.69  $           3.38  1

73 10 209 01 12 271 4100 021  0426 108POWDERED PAINT SILVER        B7706   21422.00    1       100  $          1.85  $           1.85  1
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                                        P R O P O S E D   B U C G E T   I T E M S

* ART          12 *       INSTRUCTION      PROGRESS CITY JR. HIGH    CIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  030
   UPDATE SEQUENCE NO.                     ITEM DESCRIPTION               F.O.          UNITS   PCT.      UNIT COST       TOTAL COST   ACT
YR FD CRG PG PA CRS EXPD SEQ


73 10 209 01 12 271 4100 022  0426 108PCWDERED P. NT GOLD       87706   21422.00    1    100  $         1.85  $          1.85   1
73 10 209 01 12 271 410C 023  0426 108SCRATCH ART BCARDS PKS    88335   21422.00   10    100  $         1.05  $         10.50   1
73 10 209 01 12 271 410C C24  0426 108SCRATCH KNF STRAIGHT  A  2463K0   21422.0C   36    100  $          .14  $          5.04   1
73 10 209 01 12 271 4100 025  0426 108BRAYER SOFT 6INCH         82454   21422.00    3    100  $         3.90  $         11.70   1
73 10 209 01 12 271 410C C26  0426 108BLRLAP TANGERINE          85745   21422.0C    5    10C  $          .5C  $          2.5C   1
73 10 209 01 12 271 410C 027  0426 108BURLAP CHERRY RED         85745   21422.00    5    100  $          .5C  $          2.50   1
73 10 209 01 12 271 4110 001  0426 150DCZ SLOYD KNIVES          A2569   21422.00    1    100  $        14.C0  $         14.00   1
73 10 209 01 12 271 411C 0C2  1084 15C PLASTER BAGS 80LB                21422.CC    2    100  $         2.88  $          5.76   1
73 10 209 01 12 271 4110 003  1084 150 ZONOLITE BAGS                    21422.0C    3    100  $         2.19  $          6.57   1
73 10 209 01 12 271 4110 005  0426 150PELIKAN WATERCCLOR SETS   87768   21422.0C    1    10C  $         6.CC  $          6.CC   1
73 10 209 01 12 271 4110 006  2372 150 BLUESPCT CCNTAINERS              21422.0C    2    100  $         2.99  $          5.98   1
73 10 209 01 12 271 4110 007  1216 15C BOXED PARAFIN                    21422.00   20    100  $          .25  $          5.00   1
73 10 209 01 12 271 411C CC8  1792 15C RED THRCWING CLAY 100L  85       21422.0C   10    100  $          .10  $          1.00   1
73 10 209 01 12 271 4110 009  0444 150 PARISCRAFT PLASTER        7302   21422.00    1    100  $        16.00  $         16.00   1
          * CCURSE TOTAL * 271 * - - - - - - - - - - - - -  $     5,529.78
73 10 209 01 12 371 1130 001  108                         ART           21122.00          22 -$    10,050.00  $      2,211.00 A 5
73 10 209 01 12 371 1130 0C2  150                         ART           21122.0C          20  $    12,C25.CC  $      2,405.C0 A 5
73 10 209 01 12 371 4100 011  0426 108SPRAY 1103 APPLE RED     845150   21422.00    2    100  $         1.80  $          3.60   1
73 10 209 01 12 371 4100 013  0426 108SPRAY 1503 JADE GREEN    845150   21422.00    2    100  $         1.80  $          3.60   1
73 10 209 01 12 371 410C 015  0352 108 COLORED STICKS          C42205   21422.0C    4    100  $         1.10  $          4.40   1
73 10 209 01 12 371 4100 017  0426 108SASH BRUSH 2"WIDE           810   21422.00    2    100  $         1.05  $          2.10   1
73 10 209 01 12 371 4100 019  0426 108SPRAY 1300 BLUEBELL      845150   21422.0C    2    10C  $         1.80  $          3.60   1
73 10 209 01 12 371 4100 020  0426 108CVAL BRUSH SIZE 6 1"WID     826   21422.00    4    100  $          .85  $          3.40   1
73 10 209 01 12 371 4100 021  0426 108CCNSTRUCTICN PAPER18X24  870538   21422.0C    3    100  $         2.32  $          6.96   1
73 10 209 01 12 371 410C 022  2043 108DYE LAMINATE BLACK 802            21422.CC    1    100  $         1.65  $          1.65   1
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                                        [illegible]  ITEMS

* ART        12 *     INSTRUCTION      PROGRESS CITY JR. HIGH    DIST--3142        ACC [illegible]  FEBRUARY 24, 1972     PAGE   [illegible]
    UPDATE SEQUENCE NO.                  ITEM DESCRIPTION                 P.O.       UNITS    PCT        UNIT COST      TOTAL COST   AC
YR TO ORG PG PA CPS EXPL SEQ

73 10 209 01 12 371 4100 025  2043 108DYE FLOREST GREEN  #02           21422.00    1      100  $        1.65  $          1.65   1
73 10 209 01 12 371 4110 002  2372 150 TPINS OR WIG PINS               21422.00    6      100  $         .44  $          7.64   1
73 10 209 01 12 371 4110 003  2372 150 PLASTIC GLOVES                  21422.00    2      100  $         .19  $           .38   1
73 10 209 01 12 371 4110 005  1216 150 CLOROX                          21422.00    4      100  $         .39  $          1.56   1
73 10 209 01 12 371 4110 006  0426 150EXTRA BLADES            B33052   21422.00    3      100  $         .85  $          2.55   1
73 10 209 01 12 371 4110 007  0426 150DOZ DEXTER KNIVES        A2566   21422.00    1      100  $       11.00  $         11.00   1
73 10 209 01 12 371 4110 008  0426 150BCK RAZOR BLADES         B2528   21422.00    1      100  $        1.60  $          1.60   1
73 10 209 01 12 371 4110 009  0426 150WHITE CONTE CRAYONS      B7681   21422.00    2      100  $        1.65  $          3.30   1
73 10 209 01 12 371 4110 010  0426 150 5/6 INCH TACK POINTS   B33001   21422.00    4      100  $         .55  $          2.20   1
73 10 209 01 12 371 4110 011  0426 150STAPLE PULLER            B5675   21422.00    1      100  $         .65  $           .65   1
73 10 209 01 12 371 4110 012  0426 150CRAYPAS                  A7666   21422.00   24      100  $         .41  $          9.84   1
73 10 209 01 12 371 4110 018  0426 150 WIRE SPOOL             B60503   21422.00   10      100  $        1.28  $         12.80   1
         * COURSE TOTAL * 371 * - - - - - - - - - - - - -  $     4,695.48
73 10 209 01 12 400 4110 001        CRAFT MATERIALS STD LIST           21422.00    1      100  $      148.24  $        148.24 D 4
73 10 209 01 12 400 4110 002        ART MATERIALS STD LIST             21422.00    1      100  $      645.40  $        645.40 D 4
         * COURSE TOTAL * 400 * - - - - - - - - - - - - -  $       793.64
        **  DEPARTMENT  TOTAL ** ART        * - - - - - -  $    18,387.24
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                                             P R O P O S E D   B U D G E T   I T E M S
* VOC MUSIC  13 *       INSTRUCTION      PROGRESS CITY JR. HIGH     CIST--3141          RLN NC. 005   FEBRUARY 24, 1972      PAGE  032
   UPDATE SEQUENCE NO.                   ITEM DESCRIPTION                F.O.       UNITS    PCT.      UNIT COST        TOTAL COST   ACT
YR FD CRG PG PA CRS EXPC SEQ

73 10 209 01 13 181 1130 001  173                 R    7TH GEN MUS      21122.00                54  $    12,875.CC  $      6,952.5C A 5
       * CCURSE TOTAL * 181 * - - - - - - - - - - - - - -   $      6,952.50
73 10 209 01 13 281 1130 001  173                 R    8TH GEN MUS      21122.00                16  $    12,875.CC  $      2,06C.00 A 5
       * CUURSE TOTAL * 281 * - - - - - - - - - - - - - -   $      2,C60.00
73 10 209 01 13 282 1130 001  173                 R    8TH CHORUS       21122.0C                 8  $    12,875.00  $      1,030.00 A 5
73 10 209 01 13 282 2110 001                                    45  180  21133.0C                 5  $     2,800.C0  $        140.0C A 5
       * CCURSE TOTAL * 282 * - - - - - - - - - - - - - -   $      1,17C.00
73 10 209 01 13 382 1130 001  173                 R    9TH CHORUS       21122.0C                 8  $    12,875.00  $      1,030.00 A 5
73 10 209 01 13 382 2110 001                                    45  180  21133.0C                 5  $     2,800.CC  $        140.0C A 5
       * CCURSE TOTAL * 382 * - - - - - - - - - - - - - -   $      1,17C.00
73 10 209 01 13 531 4110 001  2242 173 TUNABLE CRUM 10 INCH   RE1180   21432.00    2     100  $         8.55  $         17.90   1
73 10 209 01 13 531 412C 0C1  C668 173ALDIO CABLE             4CCK80   21432.00    1     100  $         3.50  $          3.50   1
73 10 209 01 13 531 518C C01            173 VARIOUS  MISC MUSIC         21432.0C    1     10C  $       350.CC  $        350.0C A 2
73 10 209 01 13 531 5210 C01  1794 173 SCOTCH RECCRDING TAPE      206   21432.00    6     100  $         4.49  $         26.94   1
73 10 209 01 13 531 521C 002  1794 1735MIL HIGH ENERGY CASSET SC3CHE   21432.0C   12     100  $         2.39  $         28.68   1
73 10 209 01 13 531 521C 003            173  VARICUS RECORDS            21432.00    1     100  $       100.CC  $        10C.CC A 2
73 10 209 01 13 531 521C 004  2818     173     86TC CASSETTE SUITCASE  21432.00    2     100  $         5.98  $         11.9E A 2
73 10 209 01 13 531 711C 0C1  1974 TCTE TUNE                            7C811.C3    4     100  $        21.50  $         86.00 A 5
73 10 209 01 13 531 711C 0C2  2809 AUTCHARP ELECTRIC PICKUP   ME6442   7C811.03    1     100  $        18.55  $         18.95 A 5
       * CCURSE TOTAL * 531 * - - - - - - - - - - - - - -   $        643.53
73 10 209 01 13 713 1130 0C1  173                 R    8TH GEN MUS      21122.0C                 7  $    12,875.CC  $        901.25 A 5
       * CCURSE TOTAL * 713 * - - - - - - - - - - - - - -   $        9C1.25
      **  DEPARTMENT  TOTAL ** VCC MUSIC  * - - - - - - -   $     12,897.68
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                                        P R O P O S E D   B U D G E T   I T E M S

* INST MUSIC 14 *      INSTRUCTION      PROGRESS CITY JR. HIGH     DIST--3141          RUN NC. 005   FEBRUARY 24, 1972      PAGE 333
   UPDATE SEQUENCE NO.               ITEM DESCRIPTION                    F.O.         UNITS    PCT.      UNIT COST        TOTAL COST   ACT
YR FD CRG PG PA CRS EXPD SEQ

73 10 209 01 14 186 1220 001  143                  M    BAND              21130.00                33  $    12,950.00  $       4,273.50 A 5

       * CCURSE TOTAL * 186 * - - - - - - - - - - - - - -   $      4,273.50

73 10 209 01 14 195 1220 001  069                  D    ORCHESTRA         21130.00                17  $     9,645.00  $       1,639.65 A 5

       * CCURSE TOTAL * 195 * - - - - - - - - - - - - - -   $      1,639.65

73 10 209 01 14 286 1220 001  143                  M    BAND              21130.00                33  $    12,950.00  $       4,273.50 A 5

       * CCURSE TOTAL * 286 * - - - - - - - - - - - - - -   $      4,273.50

73 10 209 01 14 386 1220 001  143                  M    BAND              21130.00                34  $    12,950.00  $       4,403.00 A 5

       * CCURSE TOTAL * 386 * - - - - - - - - - - - - - -   $      4,403.00

73 10 209 01 14 525 5180 001                        MUSIC ORCHESTRA      21431.00      1       100  $       150.00  $         150.00 A 2

73 10 209 01 14 525 5180 002                        MUSIC BAND           21431.00      1       100  $       500.00  $         500.00 A 2

73 10 209 01 14 525 6110 001  2514 NOBLET BASS CLARINET          55      41811.03      1       100  $       487.00  $         487.00 A 2

73 10 209 01 14 525 6110 002       REPAIR FRENCH HCRNS                   41811.03      2       100  $        30.00  $          60.00 A 2

73 10 209 01 14 525 6110 003  2514 LESCHER OBOE                 952      41811.03      1       100  $       437.50  $         437.50 A 2

73 10 209 01 14 525 6210 001       OVERHAUL CELLC                        41811.03      1       100  $        60.00  $          60.00 A 2

73 10 209 01 14 525 6210 002       OVERHAUL BASS CLARINET                41811.03      1       100  $        66.00  $          66.00 A 2

73 10 209 01 14 525 6210 003       OVERHAUL BASSOCN                      41811.03      1       100  $       124.00  $         124.00 A 2

73 10 209 01 14 525 6210 004       MINCR REPAIRS BAND                    41811.03      1       100  $       200.00  $         200.00 A 2

73 10 209 01 14 525 6210 005       MINCR REPAIRS ORCHESTRA               41811.03      1       100  $        50.00  $          50.00 A 2

       * COURSE TOTAL * 525 * - - - - - - - - - - - - - -   $      2,134.50

      **  DEPARTMENT  TOTAL ** INST MLSIC * - - - - - -     $     16,724.15
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                                      P R O P O S E D   B U D G E T   I T E M S

* PHYS. ED.  15 *       INSTRUCTION      PROGRESS CITY JR. HIGH     DIST--3141          RUN NO. 005  FEBRUARY 24, 1972      PAGE  034
    UPDATE SEQUENCE NO.                  ITEM DESCRIPTION                F.O.         UNITS    PCT.     UNIT COST        TOTAL COST   ACT
YR FD ORG PG FA CRS EXPD SEQ

73 10 209 01 15 196 2110 001                                0210  60  182  21133.00            8  $    2,293.20  $       183.46 A 5

         * COURSE TOTAL * 196 * - - - - - - - - - - - - -     $      183.46

73 10 209 01 15 500 4110 001  1536 139 FETCHING POLE 12 FT                   21433.00    2      100  $        5.00  $        10.00   1
73 10 209 01 15 500 4110 002  1536 139NYLONSWIMTRUNKSGREENS24      154       70811.03   24      100  $        2.00  $        48.00   1
73 10 209 01 15 500 4110 003  1284 137   MEASURING TAPE 100FT  981           21433.00    1      100  $       12.25  $        12.25   1
73 10 209 01 15 500 4110 004  1284 137   DISCUS WOOD  GILL     306           21433.00    1      100  $       29.00  $        29.00   1
73 10 209 01 15 500 4110 005  1284 137   DISCUS RUBBER GILL    307           21433.00    1      100  $        8.80  $         8.80   1
73 10 209 01 15 500 4110 006  1284 137   IRON SHOT FLT 12#     331           21433.00    1      100  $        6.50  $         6.50   1
73 10 209 01 15 500 4110 007  1284 137   I STARTING BLOCK      419           21433.00    1      100  $       21.95  $        21.95   1
73 10 209 01 15 500 4110 009  1284 OCM   VAULTING STANDARD     717           21433.00    1      100  $       69.50  $        69.50   1
73 10 209 01 15 500 4110 010  1284 137   VAULTING POLE         SKYPOL        21433.00    1      100  $       60.00  $        60.00   1
73 10 209 01 15 500 4110 011  1284 137   CROSS BAR  GILL       515           21433.00    1      100  $        9.35  $         9.35   1
73 10 209 01 15 500 4110 012  1536 139AQUA STAR FLUTTERBOARDS                21433.00   12      100  $        2.50  $        30.00   1
73 10 209 01 15 500 4110 013  0864 139 FOOTBALLS RUBBER          CF7F        21433.00    6      100  $       13.45  $        80.70   1
73 10 209 01 15 500 4110 016  5014     STANDARD LIST                         21433.00    1      100  $      485.00  $       485.00 D 4
73 10 209 01 15 500 4110 018  1718 139 CONTROL KEY MASTERS       V606        21433.00   36      100  $        1.95  $        70.20   1
73 10 209 01 15 500 4110 019  1536 139NYLONSWIMTRUNKSGREENS28      154       21433.00   12      100  $        2.00  $        24.00 A 2
73 10 209 01 15 500 4110 020  0936 163NYLONSWIM KELLY GREEN34     W103       21433.00   24      100  $        7.95  $       190.80 A 2
73 10 209 01 15 500 4110 021  1536 139NYLONSWIMTRUNKSGREENS26      154       21433.00   24      100  $        2.00  $        48.00 A 2
73 10 209 01 15 500 4110 022  0936 163NYLONSWIM  RED SIZE  30     W103       21433.00   48      100  $        7.95  $       381.60 A 2
73 10 209 01 15 500 4110 023  0936 163NYLONSWIM ROYAL BLUE 28     W103       21433.00   12      100  $        7.95  $        95.40 A 2
73 10 209 01 15 500 4110 024  0936 163NYLONSWIM GRAY SIZE  26     W103       21433.00   12      100  $        7.95  $        95.40 A 2
73 10 209 01 15 500 4110 025  0936 163NYLONSWIM LIGHT BLUE 32     W103       21433.00   24      100  $        7.95  $       190.80 A 2
73 10 209 01 15 500 6110 001  5014   STANDARD LIST                           70811.03    1      100  $       43.00  $        43.00 D 4
73 10 209 01 15 500 6110 002  1584 139LOCK 8X22X72ASS3PERUNIT                41811.03    1      100  $      [illegible]  $   [illegible] A 2
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                                                     P R O P O S E D   B U D G E T   I T E M S

* PHYS. ED.  15 *        INSTRUCTION        PROGRESS CITY JR. HIGH     DIST--3141          RUN NO. 005   FEBRUARY 24, 1972       PAGE  035
   UPDATE SEQUENCE NO.                      ITEM DESCRIPTION                  F.O.       UNITS     PCT.      UNIT COST         TOTAL COST   ACT
YR FD ORG PG PA CRS EXPC SEQ


73 10 209 01 15 500 6210 001          STOP WATCH REPAIR                    41811.03     1       100  $           25.00  $           25.00   1

73 10 209 01 15 500 7110 005  0976               163 SFBL FIELD  143300   21459.00     1       100  $            1.50  $            1.50   1

73 10 209 01 15 500 7110 006  0976               163 SPTSHIP CO  143300   21459.00     1       100  $            1.00  $            1.00   1

73 10 209 01 15 500 7110 007  0976               163 TMWK KEYS   143300   21459.00     1       100  $            1.50  $            1.50   1

73 10 209 01 15 500 7110 008  0976               163 FITNESS     143300   21459.00     1       100  $            2.00  $            2.00   1

73 10 209 01 15 500 7110 009  0976               163 LKRM CK HA  143300   21459.00     1       100  $            1.50  $            1.50   1

73 10 209 01 15 500 7110 013  1899               163 CHEERLEADE  143300   21459.00     3       100  $            1.50  $            4.50   1

73 10 209 01 15 500 7110 014  1502                   163 BA DAN  HYF 501A 21433.00     1       100  $            5.95  $            5.95   1

73 10 209 01 15 500 7110 015  1502                   163 RHY RIX   HYP 31 21433.00     1       100  $           11.95  $           11.95   1

73 10 209 01 15 500 7110 016  0976                   163 SG YOUR SETS#112 21433.00     1       100  $            1.50  $            1.50   1

73 10 209 01 15 500 7110 017  0976                   163 CLOSING SCH #118 21433.00     1       100  $            1.50  $            1.50   1

73 10 209 01 15 500 7110 018  0976               163 BASKB SH W  143300   21459.00     1       100  $            1.50  $            1.50   1

73 10 209 01 15 500 7110 019  2513                   163 SYN SW CHT #4  2 21433.00     1       100  $            3.00  $            3.00   1

73 10 209 01 15 500 7110 020  1899                   163 CHEERLEADING CHT 21433.00     1       100  $            1.00  $            1.00   1

73 10 209 01 15 500 7110 021  0100 139HIGH BAR WALL MOUNTED      FB320    70811.03     1       100  $          175.00  $          175.00 A 2

         * COURSE TOTAL * 500 * - - - - - - - - - - - - -   $     2,458.65

73 10 209 01 15 501 1130 001  139                  W     BOYS PHY ED         21122.00               100  $       13,450.00  $       13,450.00 A 5

73 10 209 01 15 501 1130 002  114                  G     BOYS PHY ED         21122.00                50  $       11,520.00  $        5,760.00 A 5

         * COURSE TOTAL * 501 * - - - - - - - - - - - - -   $    19,210.00

73 10 209 01 15 510 1130 001  163                  J     GIRLS PHY ED        21122.00               100  $       11,055.00  $       11,055.00 A 5

         * COURSE TOTAL * 510 * - - - - - - - - - - - - -   $    11,055.00

      **  DEPARTMENT  TOTAL ** PHYS. ED.  * - - - - - -   $    32,947.11
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                                                  P R O P O S E D   B U D G E T   I T E M S
* LANG.ARTS  30 *       INSTRUCTION        PROGRESS CITY JR. HIGH     DIST--3141                 RUN NO. 005   FEBRUARY 24, 1972      PAGE  036
   UPDATE SEQUENCE NO.                    ITEM DESCRIPTION                     F.O.        UNITS    PCT.        UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 01 30 001 2120 001
                                                                  0210  10  175  21225.00            100  $          367.50  $        367.50 A 5
73 10 209 01 30 001 2120 002
                                                                  0210  40  175  21225.00            100  $        1,470.00  $      1,470.00 A 5
73 10 209 01 30 001 4110 001  1584 133 R KIVE STORAGE BOXES          725   21424.00      3      100  $            1.40  $          4.20   1
73 10 209 01 30 001 4110 002  1584 167 ART KRAFT ORANGE          6710-7    21424.00      1      100  $            3.25  $          3.25   1
73 10 209 01 30 001 4110 003  1584 167 ART KRAFT FLAME RED       6703-7    21424.00      1      100  $            3.25  $          3.25   1
73 10 209 01 30 001 5170 001  2362    OPEN HIGHWAY  TESTBOOK 7 02680-68 21454.00     12      100  $            3.30  $         39.60 A 4
73 10 209 01 30 001 5170 002  2362    OPEN HIGHWAY  TESTBOOK 6 02698-68 21454.00     12      100  $            3.00  $         36.00 A 4
        * COURSE TOTAL * 001 * - - - - - - - - - - - - -   $     1,923.80
73 10 209 01 30 103 1130 001  133                       R    LANG ARTS 7        21122.00             67  $        9,975.00  $      6,683.25 A 5
73 10 209 01 30 103 1130 002  142                       G    LANG ARTS 7        21122.00             50  $        7,200.00  $      3,600.00 A 5
73 10 209 01 30 103 4110 001  1584 133 BULLETIN BOARD PAPER      57128    21424.00      1      100  $            5.65  $          5.65   1
73 10 209 01 30 103 5110 001  1360    133 PBKS TO  BE SELECTED             21460.00      1      100  $           30.00  $         30.00   1
73 10 209 01 30 103 5120 001  2362    133 POOLEY   THRUST 01475-69         21459.00     10      100  $            4.29  $         42.90   1
73 10 209 01 30 103 5160 002  2356    142 SRA STU  WORKBOOKS111A 3-3910 21437.00     75      100  $             .52  $         39.00   1
73 10 209 01 30 103 5420 001  0108    133          WEBSTER STU DICTIONA 21459.00     15      100  $            5.60  $         84.00 D 4
73 10 209 01 30 103 5420 002  0108    142          WEBSTER STU DICTIONA 21459.00      5      100  $            5.60  $         28.00 D 4
73 10 209 01 30 103 5460 001  2356    133 SRA RECO RD BOOK 111A 3-3910  21437.00    115      100  $             .52  $         59.80   1
        * COURSE TOTAL * 103 * - - - - - - - - - - - - -   $    10,572.60
73 10 209 01 30 105 1130 001  133                       R    LANG ARTS          21122.00             33  $        9,975.00  $      3,291.75 A 5
73 10 209 01 30 105 4110 001  1584 133 BULLETIN BOARD PAPER      57308    21424.00      1      100  $            5.65  $          5.65   1
73 10 209 01 30 105 5110 001  1360    133 PBKS TO  BE SELECTED             21460.00      1      100  $           20.00  $         20.00   1
73 10 209 01 30 105 5160 001  0122    142 YOU AND  YOUR WORLD              21437.00     20      100  $            1.50  $         30.00   1
73 10 209 01 30 105 5160 002  2328    142 SCHOLAST IC SCOPE                21437.00     20      100  $            1.75  $         35.00   1
73 10 209 01 30 105 5160 003  2328    133 SCHOLAST IC SCOPE                21437.00      5      100  $            1.75  $          8.75   1
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                                        P R O P O S E D   B U D G E T   I T E M S
* LANG.ARTS  30 *      INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141         RUN NO. 005   FEBRUARY 24, 1972       PAGE  037
   UPDATE SEQUENCE NO.                ITEM DESCRIPTION                F.O.       UNITS    PCT.      UNIT COST        TOTAL COST   ACT
YR FD CRG PG PA CRS EXPC SEQ

73 10 209 01 30 105 5460 001  2362    133 OPEN HIG HWAYS WRKBK 02678-68 21437.00   10      100  $          1.29  $         12.90   1
73 10 209 01 30 105 5460 002  2356    133 SRA RECO RD BOOK 111A 3-3910  21437.00   45      100  $           .52  $         23.40   1
         * COURSE TOTAL * 105 * - - - - - - - - - - - - -  $     3,427.45
73 10 209 01 30 203 1130 001  142                  G    LANG ARTS 8     21122.00           17  $      7,200.00  $      1,224.00 A 5
73 10 209 01 30 203 1130 002  162                  M    LANG ARTS 8     21122.00          100  $     11,055.00  $     11,055.00 A 5
73 10 209 01 30 203 5110 001  1360    162 PBKS TO  BE SELECTED          21460.00    1      100  $         50.00  $         50.00   1
73 10 209 01 30 203 5120 001  2362    162 POOLEY   COUNTERPOINT         21459.00   10      100  $          4.08  $         40.80   1
73 10 209 01 30 203 5120 002  2328    162 SCHOLAST IC FRONTIERS UNIT    21459.00    1      100  $         60.00  $         60.00   1
73 10 209 01 30 203 5120 003  2362    162 DUNNING  FOCUS                21459.00   10      100  $          3.93  $         39.30   1
73 10 209 01 30 203 5420 001  0108    142          WEBSTER STU DICTIONA 21459.00   10      100  $          5.60  $         56.00   1
73 10 209 01 30 203 5460 001  2356    142 SRA STL  WORKBOOKS111A 3-3910 21437.00   75      100  $           .52  $         39.00   1
73 10 209 01 30 203 5460 002  2356    162 SRA      STUDENT RECORD 35376 21437.00  160      100  $           .30  $         48.00   1
73 10 209 01 30 203 5460 003  2362    162          TACTICS GR 8 4171-72 21437.00   40      100  $          1.23  $         49.20   1
73 10 209 01 30 203 5490 001  2356    162 SRA      READING LAB 35375    21437.00    1      100  $         44.55  $         44.55   1
         * COURSE TOTAL * 203 * - - - - - - - - - - - - -  $    12,705.85
73 10 209 01 30 205 1130 001  142                  G    LANG ARTS       21122.00           33  $      7,200.00  $      2,376.00 A 5
73 10 209 01 30 205 5160 001  0122    142 YOU AND  YOUR WORLD           21437.00   20      100  $          1.50  $         30.00   1
73 10 209 01 30 205 5160 002  2328    142 SCHOLAST IC SCOPE             21437.00   20      100  $          1.75  $         35.00   1
73 10 209 01 30 205 5460 001  2362    142 OPEN HIG HWAYS WRKBK 02679-68 21437.00   20      100  $          1.29  $         25.80   1
         * COURSE TOTAL * 205 * - - - - - - - - - - - - -  $     2,466.80
73 10 209 01 30 303 1130 001  167                       LANG ARTS 9     21122.00           50  $      7,930.00  $      3,965.00 A 5
73 10 209 01 30 303 1130 002  140                  C    LANG ARTS 9     21122.00           67  $     12,875.00  $      8,626.25 A 5
73 10 209 01 30 303 4110 001  1584 140 CUTTER BOX ROLL AZURE    57167   21424.00    1      100  $          3.90  $          3.90   1
73 10 209 01 30 303 5110 001  2362    167 POOLEY   VANGUARD             21460.00   10      100  $          5.28  $         52.80 C 4
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                                                  P R O P O S E D   B U D G E T   I T E M S
* LANG.ARTS  30 *       INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972     PAGE  038
   UPDATE SEQUENCE NO.                 ITEM DESCRIPTION                 P.O.      UNITS    PCT.      UNIT COST        TOTAL COST  ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 01 30 303 5110 002  1360   167 PBKS TO  BE SELECTED            21460.00    1     100  $       15.00  $        15.00   1
73 10 209 01 30 303 5120 001  1312   140 MOORE    SENT IMPROVE  237436 21459.00   15     100  $         .99  $        14.85   1
73 10 209 01 30 303 5120 002  2328   140          LIT UNIT DECIS SL295 21459.00    1     100  $       80.00  $        80.00   1
73 10 209 01 30 303 5120 003  1668   140 POLLOCK  ENGLISH SER 9 21250  21459.00   15     100  $        3.99  $        59.85   1
73 10 209 01 30 303 5120 004  1312   140 MOORE    PARAGRAPH DEV 237430 21459.00   15     100  $         .99  $        14.85   1
73 10 209 01 30  03 5160 001  2422   140 EHRLICH  INSTANT VOCAB 77126  21437.00   30     100  $         .95  $        28.50   1
73 10 209 01 30 303 5160 002  1641   140 ALLEN    NEW DIMENS B90110009 21437.00   30     100  $        1.68  $        50.40   1
73 10 209 01 30 303 5160 003  1641   140 ALLEN    NEW DIM TE B90113008 21437.00    1     100  $        1.95  $         1.95   1
73 10 209 01 30 303 5190 001  1292   140          SKILLS BOX030810116  21437.00    1     100  $       59.97  $        59.97   1
73 10 209 01 30 303 5190 002  2362   167          TACTICS       415361 21437.00    1     100  $       85.33  $        85.33   1
73 10 209 01 30 303 5450 001  0122   140 CUTLER   THE ENGLISH LANGUAGE 21437.00   10     100  $         .40  $         4.00   1
       * COURSE TOTAL * 303 * - - - - - - - - - - - - -  $    13,062.65
73 10 209 01 30 305 1130 001  140                 C    LANG ARTS         21122.00           33  $   12,875.00  $     4,248.75 A 5
73 10 209 01 30 305 5420 001  2362   140 BASIC RE AD SKLS H S 390458     21459.00   20     100  $        1.48  $        29.60   1
73 10 209 01 30 305 5460 001  2356   140 SRA STUDENT RECORD   34810      21437.00   40     100  $         .58  $        23.20   1
73 10 209 01 30 305 5490 001  2356   140          READING LAB 3B 34800 21437.00    1     100  $       74.95  $        74.95   1
       * COURSE TOTAL * 305 * - - - - - - - - - - - - -  $     4,376.50
73 10 209 01 30 307 1130 001  167                      SPEECH I          21122.00           17  $    7,930.00  $     1,348.10 A 5
73 10 209 01 30 307 4110 001        167 SPEECH DRAMA SUPPLIES            21424.00    1      50  $      150.00  $        75.00   1
       * COURSE TOTAL * 307 * - - - - - - - - - - - - -  $     1,423.10
73 10 209 01 30 309 1130 001  167                      DRAMA             21122.00            8  $    7,930.00  $       634.40 A 5
73 10 209 01 30 309 4110 001             SPEECH DRAMA SUPPLIES           21424.00    1      50  $      150.00  $        75.00   1
73 10 209 01 30 309 5110 001  0694   167 TANNER   BASIC DRAMA PRCT       21460.00   10     100  $        4.00  $        40.00   1
       * COURSE TOTAL * 309 * - - - - - - - - - - - - -  $       749.40
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                                     P R O P O S E D   B U D G E T   I T E M S

* LANG.ARTS  30 *        INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972     PAGE  C39
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION               F.O.        UNITS    PCT.      UNIT COST      TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEC

73 10 209 01 30 310 1130 001  167                        REM READING        21122.00            25  $     7,930.00  $     1,982.50 A 5
73 10 209 01 30 310 5210 001  0868    167LANG MAST ER HEADPHONES 36407  21452.00     1     100  $        28.00  $        28.00  1
73 10 209 01 30 310 5270 001  0868    167LANG MAST ER VOCAB 111012      21452.00     1     100  $        35.00  $        35.00  1
73 10 209 01 30 310 5270 002  0868    167LANG MAST ER VOCAB 111013      21452.00     1     100  $        35.00  $        35.00  1
73 10 209 01 30 310 5270 003  0868    167LANG MAST ER PHONICS 3         21452.00     1     100  $        35.00  $        35.00  1
73 10 209 01 30 310 5270 004  0868    167LANG MAST ER VOCAB 111011      21452.00     1     100  $        35.00  $        35.00  1
       * COURSE TOTAL * 310 * - - - - - - - - - - - - -   $     2,150.50
      **  DEPARTMENT  TOTAL ** LANG.ARTS  * - - - - - -   $    52,658.65
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                                          P R O P O S E D   B U D G E T   I T E M S
 * SPEC. ED.  40 *        INSTRUCTION       PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972     PAGE  040
    UPDATE SEQUENCE NO.                   ITEM DESCRIPTION                  F.O.      UNITS    PCT.      UNIT COST       TOTAL COST   ACT
 YR FD CRG PG PA CRS EXPD SEQ

 73 10 209 01 40 181 1130 001  173                     R    7TH GEN MUS      21122.00              7  $   12,875.00  $       901.25 A 5
         * COURSE TOTAL * 181 * - - - - - - - - - - - - -  $         901.25
 73 10 209 01 40 700 4180 001        172 UNFORESEEN SUPPLIES                24437.00     1     100  $       50.00  $        50.00   1
         * COURSE TOTAL * 700 * - - - - - - - - - - - - -  $          50.00
 73 10 209 01 40 702 5120 001  1112    172          LOTS OF THINGS BOOK1 24437.00     1     100  $        1.50  $         1.50 A 4
 73 10 209 01 40 702 5120 002  1112    172          LOTS OF THINGS BOOK2 24437.00     1     100  $        1.50  $         1.50 A 4
 73 10 209 01 40 702 5120 003  2246    172 TRENKLE  YOU S2091            24437.00     1     100  $        4.75  $         4.75 A 4
 73 10 209 01 40 702 5160 001  0122    172 MAP SKIL LS FOR TODAY GR4 241 24437.00    15     100  $         .25  $         3.75 A 4
 73 10 209 01 40 702 5160 002  0122    172 MAP SKIL LS FOR TODAY GR5 251 24437.00    15     100  $         .25  $         3.75 A 4
 73 10 209 01 40 702 5160 003  1022    155          KNOW YOUR WORLD      24437.00    16     100  $        1.50  $        24.00 A 4
 73 10 209 01 40 702 5160 004  2246    176 TRENKLE  YOU WORKBOOK S2092   24437.00     1     100  $        1.50  $         1.50 A 4
         * COURSE TOTAL * 702 * - - - - - - - - - - - - -  $          40.75
 73 10 209 01 40 703 4110 001  1584 155 PRIMARY RULER           R120     24437.00     1     100  $         .73  $          .73 A 4
 73 10 209 01 40 703 4110 002  1584 155 PRIMARY RULER           R130     24437.00     1     100  $         .72  $          .72 A 4
 73 10 209 01 40 703 4110 003  1584 155 PRIMARY RULER           R130     24437.00     1     100  $         .72  $          .72 A 4
 73 10 209 01 40 703 5190 001  1126    155          FIGURE IT OUT 1913   24437.00     2     100  $        1.28  $         2.56 A 4
 73 10 209 01 40 703 5190 002  0609    155          MAS DR TES G2 322422 24437.00     1     100  $        3.00  $         3.00 A 4
 73 10 209 01 40 703 5190 003  0762    155          NCS & YOU GRADE 3    24437.00    20     100  $         .42  $         8.40 A 4
 73 10 209 01 40 703 5190 004  1644    155          BK2 ADD PG 070618542 24437.00     1     100  $        1.29  $         1.29 A 4
         * COURSE TOTAL * 703 * - - - - - - - - - - - - -  $          17.42
 73 10 209 01 40 711 4110 001        MECH DRAWING SUPPLY LIST               21429.00     1     100  $       23.55  $        23.55   1
 73 10 209 01 40 711 4110 002        WOODS SUPPLY LIST                      21429.00     1     100  $       48.55  $        48.55   1
 73 10 209 01 40 711 4110 003        ELECTRICITY STND LIST                  21429.00     1     100  $        9.80  $         9.80   1
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                                        P R O P O S E D   B U D G E T   I T E M S
* SPEC. ED.  40 *        INSTRUCTION     PROGRESS CITY JR. HIGH    CIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  C41
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION                                UNITS    PCT.      UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPC SEC                                                F.O.

73 10 209 01 40 711 4110 C04        METALS SUPPLY LIST                     21429.00    1      100  $         37.00  $         37.00   1
73 10 209 01 40 711 6110 001  2372 16C SOLDER IRON 200 W          53831   41811.03    1      100  $          9.50  $          9.50   1
      * COURSE TOTAL * 711 * - - - - - - - - - - - - -   $        128.80
73 10 209 01 40 730 5170 001  0609     155          MASTERY DR&TE 322423 24437.00    1      100  $          3.00  $          3.00 A 4
73 10 209 01 40 730 5170 002  0609     155          MASTERY DR&TE 322423 24437.00    1      100  $          3.00  $          3.00 A 4
73 10 209 01 40 730 5190 001  0609     155          2 ENG EX GR4 322550  24437.00    1      100  $          3.25  $          3.25 A 4
73 10 209 01 40 730 5190 002  0609     155          1 ENG EX GR4 322550  24437.00    1      100  $          3.25  $          3.25 A 4
      * COURSE TOTAL * 730 * - - - - - - - - - - - - -   $         12.50
73 10 209 01 40 731 5120 001  1126     155          INSTRUCTORS BK 1914  24437.00    1      100  $          3.75  $          3.75 A 4
73 10 209 01 40 731 5160 001  2496     155          AMONG FRIENDS WK 883 24437.00   10      100  $           .85  $          6.50 A 4
73 10 209 01 40 731 5160 002  2496     155          OFF TO WORK WK AAA3  24437.00   10      100  $           .85  $          8.50 A 4
73 10 209 01 40 731 5190 001  0609             155 5 GR LANG DR 322265  24437.00    1      100  $          3.50  $          3.50 A 4
      * COURSE TOTAL * 731 * - - - - - - - - - - - - -   $         24.25
    **  DEPARTMENT  TOTAL ** SPEC. ED.  * - - - - - -   $      1,174.97
   *** PROGRAM TOTAL *** INSTRUCTION  - - - - - - - -   $    422,255.99
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                                           P R O P O S E D   B U D G E T   I T E M S
* PU.PERS.SV 01 *      SUP. INSTR.     PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  042
   UPDATE SEQUENCE NO.                ITEM DESCRIPTION                 F.O.        UNITS    PCT.       UNIT COST        TOTAL COST   ACT
YR FD CRG PG PA CRS EXPD SEQ


73 10 209 02 01 250 5120 001  1634                   SUBS FOCUS ON GUID   21450.00     1      100  $       10.50  $        10.50 A 2
73 10 209 02 01 250 5120 002  2356                   SUBS SRA SERVICES    21450.00     1      100  $       45.00  $        45.00 A 2
73 10 209 02 01 250 5120 003  0680                   CHRON 3IN1 GUID      21450.00     1      100  $       55.62  $        55.62 A 2
        * COURSE TOTAL * 250 * - - - - - - - - - - - - -  $       111.12
73 10 209 02 01 350 5120 001  1366    169            CASET MH INFO PAK    21452.00     1      100  $       60.00  $        60.00 A 2
        * COURSE TOTAL * 350 * - - - - - - - - - - - - -  $        60.00
73 10 209 02 01 500 4130 001  1584 136FADL BBOARD PAPER   48W  05702B   21450.00     1      100  $        5.65  $         5.65 A 2
73 10 209 02 01 500 4130 002  1584 136FADL BBOARD PAPER   48W  05726B   21450.00     1      100  $        5.65  $         5.65 A 2
73 10 209 02 01 500 4130 003  1584 136YELLOW EMBOS TAPE        038X12   21450.00     3      100  $        1.15  $         3.45 A 2
73 10 209 02 01 500 4130 004  1584 136FADL BBOARD PAPER   48W  05701B   21450.00     1      100  $        5.65  $         5.65 A 2
73 10 209 02 01 500 4130 005  1584 136 REPRO PENS BLACK   DOZ  CR64XF   21450.00     1      100  $        4.20  $         4.20 A 2
73 10 209 02 01 500 4130 006  1584 136 REPRO PENS RED     DOZ  CR64XF   21450.00     1      100  $        4.20  $         4.20 A 2
73 10 209 02 01 500 4130 007  1584 136RED EMBOS TAPE           038X12   21450.00     3      100  $        1.15  $         3.45 A 2
73 10 209 02 01 500 4130 008  1584 136GREEN EMBOS TAPE         014X12   21450.00     3      100  $         .58  $         2.94 A 2
73 10 209 02 01 500 4130 009  1584 169 TAPERASER CORRECT TAPE  00318C   21450.00     2      100  $         .58  $         1.96 A 2
73 10 209 02 01 500 5120 001  2538    169            OCC OUTLOOK HANDBOOK 21459.00     2      100  $        4.95  $         9.90   1
73 10 209 02 01 500 5120 002  2356    136 OCC.       EXPLORATIONKITC52100 21450.00     1      100  $      107.50  $       107.50 A 2
73 10 209 02 01 500 5120 003  1112                   OCC GUID UNIT 48     21450.00     1      100  $       39.50  $        39.50 A 2
73 10 209 02 01 500 5120 004  1112                   FIND YOUR JOB UNIT1B 21450.00     1      100  $       22.50  $        22.50 A 2
73 10 209 02 01 500 5120 005  1546    169 W JONES    HCCOVER NOTEBK15814G 21450.00    10      100  $        2.00  $        20.00 A 2
73 10 209 02 01 500 5150 001  1112                   HELPSELF TOJOB PART3 21450.00     1      100  $        1.50  $         1.50 A 2
73 10 209 02 01 500 5150 002  1112                   HELPSELF TOJOB PART1 21450.00     1      100  $        1.50  $         1.50 A 2
73 10 209 02 01 500 5150 003  1112                   HELPSELF TOJOB PART2 21450.00     1      100  $        1.50  $         1.50 A 2
73 10 209 02 01 500 5160 001  1112                   FIND YOUR JOB WORKBK 21450.00     1      100  $        1.50  $         1.50 A 2
        * COURSE TOTAL * 500 * - - - - - - - - - - - - -  $       242.55
        ** [illegible]   NT  TOTAL ** PU.PERS.SV * - - - - - -  $       413.67
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                                        P R O P O S E D   B U D G E T   I T E M S

* ED.TECH.   02 *      SUP. INSTR.      PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  043
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION               F.O.        UNITS    PCT.     UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 02 02 110 1230 001  147                         LIBRARIAN         21132.00             10  $    13,890.00  $      1,389.00 A 5

        * COURSE TOTAL * 110 * - - - - - - - - - - - - -    $      1,389.00

73 10 209 02 02 120 1140 001                             0210  60  182  21133.00             15  $     2,293.20  $        343.98 A 5

73 10 209 02 02 120 1230 001  147                         LIBRARIAN         21132.00             14  $    13,890.00  $      1,944.60 A 5

73 10 209 02 02 120 4120 001  0880 147FOLDER LABELS PLAIN WHI    42634   21470.00    3     100  $         1.20  $          3.60 A 2

73 10 209 02 02 120 4120 002  0880 147TYPEWRITER ERASER TAPE   633140   21470.00    3     100  $         1.00  $          3.00 A 2

73 10 209 02 02 120 4120 003  0880 147DOUBLE BACKED TAPE       480950   21470.00    1     100  $         5.70  $          5.70 A 2

73 10 209 02 02 120 4120 004  1276 147FS REC FILE     6 @ 630   26105   21470.00    2     100  $        12.60  $         25.20 A 2

73 10 209 02 02 120 4120 005  0880 147CALL NO LABELS 1000      289290   21470.00    1     100  $         4.15  $          4.15 A 2

73 10 209 02 02 120 4120 006  0880 147CALL NO LABELS 1000      289270   21470.00    1     100  $         4.75  $          4.75 A 2

73 10 209 02 02 120 4120 007  0880 147BOOK POCKETS 500         254050   21470.00    1     100  $         5.95  $          5.95 A 2

73 10 209 02 02 120 4120 008  0880 147BOOK REST                677200   21470.00    1     100  $         3.75  $          3.75 A 2

73 10 209 02 02 120 4120 009  0880 147MAGAZINE COVERS          436670   21470.00    4     100  $        16.00  $         64.00 A 2

73 10 209 02 02 120 4120 010  1480 147HINGE TAPE WHITE          70430   21470.00    1     100  $         2.25  $          2.25 A 2

73 10 209 02 02 120 4120 011  1480 147SCISSORS                  70012   21470.00    1     100  $         3.50  $          3.50 A 2

73 10 209 02 02 120 4120 012  1480 147CHAIN PENCIL HOLDER       70189   21470.00    1     100  $          .99  $           .99 A 2

 3 10 209 02 02 120 4120 013  1480 147CLIPIT                    70025   21470.00    1     100  $         1.00  $          1.00 A 2

.3 10 209 02 02 120 4120 014  0494 147FILMSTRIP CAN LAB  1000   55260   21470.00    1     100  $         5.25  $          5.25 A 2

73 10 209 02 02 120 4120 015  0494 147LAB PROTECTORS 1000       55261   21470.00    1     100  $        10.50  $         10.50 A 2

73 10 209 02 02 120 4120 016  0880 147BOOK POCKETS 500         254250   21470.00    1     100  $         4.75  $          4.75 A 2

73 10 209 02 02 120 4120 017       147CENT LIBRAR SUPPLY LIST           21470.03    1     100  $       127.35  $        127.35 A 2

73 10 209 02 02 120 4120 018  5009               147 CENT LIB SUPPLY  21471.00    1     100  $     2,436.60  $      2,436.60 A 4

        * COURSE TOTAL * 120 * - - - - - - - - - - - - -    $      5,000.87

73 10 209 02 02 130 1140 001                 !           0210  60  182  21133.00             60  $     2,293.20  $      1,375.92 A 5
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                                        P R O P O S E D   B U D G E T   I T E M S
  ED.TECH.   02 *      SUP. INSTR.      PROGRESS CITY JR. HIGH     DIST--3141           RUN NO. 005    FEBRUARY 24, 1972      PAGE  044
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION                  F.D.       UNITS    PCT.      UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 02 02 130 1230 001  147
                                                    LIBRARIAN          21132.00               50  $    13,890.00  $      6,945.00 A 5
       * COURSE TOTAL * 130 * - - - - - - - - - - - - -  $       8,320.92
73 10 209 02 02 140 1140 001
                                                     0210  60  182  21133.00               20  $     2,293.20  $        458.64 A 5
73 10 209 02 02 140 1230 001  147
                                                    LIBRARIAN          21132.00               20  $    13,890.00  $      2,778.00 A 5
       * COURSE TOTAL * 140 * - - - - - - - - - - - - -  $       3,236.64
73 10 209 02 02 150 1140 001
                                                     0210  60  182  21133.00                5  $     2,293.20  $        114.66 A 5
73 10 209 02 02 150 7120 001  0880 147LABELMAKER
                                                          672520   70811.03      1       100  $        14.95  $         14.95 A 2
       * COURSE TOTAL * 150 * - - - - - - - - - - - - -  $         129.61
73 10 209 02 02 151 1230 001  147
                                                    LIBRARIAN          21132.00                1  $    13,890.00  $        138.90 A 5
       * COURSE TOTAL * 151 * - - - - - - - - - - - - -  $         138.90
73 10 209 02 02 152 1230 001  147
                                                    LIBRARIAN          21132.00                5  $    13,890.00  $        694.50 A 5
       * COURSE TOTAL * 152 * - - - - - - - - - - - - -  $         694.50
73 10 209 02 02 200 5120 001
                                           147CENTRAL LIB MATER 21470.03      1        50  $        23.40  $         11.70 A 2
73 10 209 02 02 200 5130 001
                                           147CENTRAL LIB MATER 21470.03      1        50  $        23.40  $         11.70 A 2
73 10 209 02 02 200 5130 002
                                        147 STAN LIB & NEWS LIST 21470.03      1       100  $       417.00  $        417.00 A 2
       * COURSE TOTAL * 200 * - - - - - - - - - - - - -  $         440.40
73 10 209 02 02 300 5370 001
                              AUDIO VISUAL  SUPPLIES STD 214520 00000.00      1       100  $     2,037.05  $      2,037.05 D 4
       * COURSE TOTAL * 300 * - - - - - - - - - - - - -  $       2,037.05
73 10 209 02 02 302 7110 001        FURNITURE
                                                                   70811.03      1       100  $        62.50  $         62.50 D 4
       * COURSE TOTAL * 302 * - - - - - - - - - - - - -  $          62.50
73 10 209 02 02 303 7110 001        FURNITURE
                                                                   70811.03      1       100  $       120.00  $        120.00   1
       * COURSE TOTAL * 303 * - - - - - - - - - - - - -  $         120.00
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                                         P R O P O S E D   B U D G E T   I T E M S

* ED.TECH.  02 *      SUP. INSTR.     PROGRESS CITY JR. HIGH    CIST--3141          RUN NC. 005   FEBRUARY 24, 1972      PAGE  C45
   UPDATE SEQUENCE NO.                ITEM DESCRIPTION                 F.O.       UNITS    PCT.     UNIT COST       TOTAL COST   ACT
YR FD CRG PG PA CRS EXPD SEQ

73 10 209 02 02 304 711C 001        FURNITURE                          7C811.03   1      100  $        80.00  $         80.00   1

       * COURSE TOTAL * 304 * - - - - - - - - - - - - -  $       80.00

73 10 209 02 02 314 7110 001        FURNITURE                          7C811.03   1      100  $        55.00  $         55.00   1

       * CCURSE TOTAL * 314 * - - - - - - - - - - - - -  $       55.00

73 10 209 02 02 340 4120 001        AUDIC VISUAL SUPPLIES STD          21452.0C   1      100  $        54.45  $         54.45   1

73 10 209 02 02 340 712C 001        AUDIC VISUAL EQUIPMENT STD         7C811.03   1      100  $        45.00  $         45.00   1

       * CCURSE TOTAL * 340 * - - - - - - - - - - - - -  $       99.45

73 10 209 02 C2 400 4120 001  1812  DYP                 600QG7TP       21452.00   20     100  $         8.90  $        178.00   1

73 10 209 02 02 400 4120 0C2  1812  CZX                 5001CF1        21452.0C   1C     100  $         5.75  $         57.5C   1

73 10 209 02 02 400 4120 0C3  1812  DYU                 600QG6TP3      21452.0C   20     100  $         9.50  $        190.00   1

73 10 209 02 02 400 4120 004  1812  DJA                150T12TFR4      21452.0C   10     100  $         4.95  $         49.5C   1

73 10 209 02 02 400 7120 001  1812    SLIDE FILM PRCJECTOR      750C   7C811.03   2      100  $       144.80  $        289.60   1

73 10 209 02 02 400 7120 002        AUDIC VISUAL EQUIPMENT STD         7C811.03   1      100  $     1,315.00  $      1,315.00 D 4

73 10 209 02 02 400 712C 0C3  088C 147VIEW MASTER PRCJECTCR   536360   7C811.C3   1      100  $        29.50  $         29.50 A 2

73 10 209 02 02 400 7120 004  0880 147PRERIEWER JR            5363C2   7C811.03   5      100  $        22.95  $        114.75 A 2

73 10 209 02 02 400 7120 005  1588 147CASSETTE FLAYBACK       TPC201   70811.03   1      100  $        29.95  $         29.95 A 2

73 10 209 02 02 400 7120 006  1588 147CASSETTE RECCDER           150   7C811.03   1      100  $        54.95  $         54.95 A 2

73 10 209 02 02 400 7120 007  1588 147CASSETTE AV MATIC        28A11   7C811.03   1      100  $       275.CC  $        275.00 A 2

       * COURSE TOTAL * 400 * - - - - - - - - - - - - -  $    2,583.75

     **  DEPARTMENT  TOTAL ** ED.TECH.  * - - - - - -    $   24,388.59
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                                        P R O P O S E D   B U D G E T   I T E M S
* ATHLETICS  04 *       SUP. INSTR.       PROGRESS CITY JR. HIGH     DIST--3141         RUN NO. 005   FEBRUARY 24, 1972     PAGE  C46
   UPDATE SEQUENCE NO.                   ITEM DESCRIPTION                   F.O.      UNITS    PCT.       UNIT COST       TOTAL COST  ACT
YR FD CRG PG PA CRS EXPD SEQ

73 10 209 02 04 100 1270 001  139                       ATH COORD         21122.02                 $       150.00  $       150.00 A 5
        * COURSE TOTAL * 100 * - - - - - - - - - - - - -   $       150.00
73 10 209 02 04 101 1270 001  133                  R    FOOTBALL          21122.02                 $       500.00  $       500.00 A 5
73 10 209 02 04 101 1270 002  161                  M    FOOTBALL          21122.02                 $       400.00  $       400.00 A 5
73 10 209 02 04 101 1270 003  137                  J    FOOTBALL          21122.02                 $       500.00  $       500.00 A 5
73 10 209 02 04 101 1270 004  171                  R    FOOTBALL          21122.02                 $       400.00  $       400.00 A 5
73 10 209 02 04 101 4180 001  0864 137  ZIPPER CARRYALL BAG     X088    21433.00     2     100   $         6.95  $        13.90
73 10 209 02 04 101 4180 002  0590 137  WOOD PLANK 2 X12 X1             21433.00     7     100   $         5.00  $        35.00
73 10 209 02 04 101 7110 001  0641 JERSEYS                     PP63     70811.03    17     100   $         5.00  $        85.00  1
73 10 209 02 04 101 7110 002  1284 HELMETS                     BIG H    70811.03     6     100   $        11.00  $        66.00  1
73 10 209 02 04 101 7110 003  1284 SHOULDER PADS               BIG H    70811.03    12     100   $        11.00  $       132.00  1
73 10 209 02 04 101 7110 004  1284 HELMET STRAPS  ADAMS        300CD    70811.03    12     100   $          .85  $        10.20  1
73 10 209 02 04 101 7110 005  1284 RIB PADS                    ADAMS    70811.03     6     100   $        10.00  $        60.00  1
73 10 209 02 04 101 7110 006  0284 ELBOW PADS   WILSON         E1310    70811.03     6     100   $         2.00  $        12.00  1
73 10 209 02 04 101 7110 007  0864 PANTS                       SK103    70811.03    12     100   $         5.00  $        60.00  1
73 10 209 02 04 101 7110 008  0864 GIRDLES                     DECKER   70811.03    24     100   $         9.00  $       216.00  1
73 10 209 02 04 101 7110 009  1284 SHOES                       ADDIAS   70811.03    12     100   $        10.00  $       120.00  1
73 10 209 02 04 101 7110 010  1284 SHOE LACES  WHITE                    70811.03    48     100   $          .15  $         7.20  1
73 10 209 02 04 101 7110 011  1284 UPRIGHT DUMMIES             PREMIE   70811.03     5     100   $        28.00  $       140.00  1
73 10 209 02 04 101 7110 012  1284 HAND PADS  RIDDELL          PL501    70811.03     3     100   $         3.50  $        10.50  1
73 10 209 02 04 101 7110 013  1284 FOREARM PADS                PL501    70811.03     6     100   $         3.00  $        18.00  1
73 10 209 02 04 101 7110 014  1284 HELMET T BARS               WILSON   70811.03    18     100   $         1.25  $        22.50  1
        * COURSE TOTAL * 101 * - - - - - - - - - - - - -   $     2,808.30
73 10 209 02 04 102 1270 001  137                  J    BASKETBALL        21122.02                 $       300.00  $       300.00 A 5
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                                         P R O P O S E D   B U D G E T   I T E M S
* ATHLETICS  04 *        SUP. INSTR.      PROGRESS CITY JR. HIGH    DIST--3141         RUN NO. 005   FEBRUARY 24, 1972      PAGE  047
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION                 F.O.        UNITS    PCT.      UNIT COST       TOTAL COST   ACT
YR FD ORG PG PA CRS EXPE SEQ

73 10 209 02 04 102 1270 002  153                G    BASKETBALL         21122.02                  $       500.00  $       500.00 A 5
73 10 209 02 04 102 1270 003  171                R    BASKETBALL         21122.02                  $       500.00  $       500.00 A 5
      * COURSE TOTAL * 102 * - - - - - - - - - - - - -  $     1,300.00
73 10 209 02 04 103 1270 001  611                D    WRESTLING          21122.02                  $       300.00  $       300.00 A 5
73 10 209 02 04 103 1270 002  616                W    WRESTLING          21122.02                  $       400.00  $       400.00 A 5
73 10 209 02 04 103 1270 003  597                J    WRESTLING          21122.02                  $       500.00  $       500.00 A 5
73 10 209 02 04 103 7110 001  0642 KNEE PADS   BLACK 11"       FLARIC    70811.03   12      100    $         3.75  $        45.00   1
73 10 209 02 04 103 7110 002  0642 HEAD GEARS                  SASAHA    70811.03   12      100    $         5.00  $        60.00   1
      * COURSE TOTAL * 103 * - - - - - - - - - - - - -  $     1,305.00
73 10 209 02 04 104 1270 001  161                M    SWIMMING           21122.02                  $       300.00  $       300.00 A 5
      * COURSE TOTAL * 104 * - -         - - - - -  $       300.00
73 10 209 02 04 107 1270 001  611                D    TRACK              21122.02                  $       300.00  $       300.00 A 5
73 10 209 02 04 107 1270 002  133                R    TRACK              21122.02                  $       400.00  $       400.00 A 5
73 10 209 02 04 107 1270 003  137                J    TRACK              21122.02                  $       400.00  $       400.00 A 5
73 10 209 02 04 107 7110 001  1284 PROTECTIVE WEATHER SUITS    SOUTHN    70811.03   18      100    $         5.50  $        99.00   1
73 10 209 02 04 107 7110 002  1284 SHOES                       ADDIAS    70811.03    6      100    $        11.95  $        71.70   1
      * COURSE TOTAL * 107 * - - - - - - - - - - - - -  $     1,270.70
73 10 209 02 04 111 1260 001  139                W    INTRAMURALS        21122.02                  $       150.00  $       150.00 A 5
      * COURSE TOTAL * 111 * - - - - - - - - - - - - -  $       150.00
73 10 209 02 04 211 1260 001  163                J    INTRAMURALS        21122.02                  $       150.00  $       150.00 A 5
      * COURSE TOTAL * 211 * - - - - - - - - - - - - -  $       150.00
    **  DEPARTMENT  TOTAL ** ATHLETICS  * - - - - -  $     7,434.00
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                                        P R O P O S E D   B U D G E T   I T E M S
* EX.CURR.    05 *       SUP. INSTR.      PROGRESS CITY JR. HIGH     DIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  048
   UPDATE SEQUENCE NO.                   ITEM DESCRIPTION                F.O.       UNITS    PCT.       UNIT COST       TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 02 05 001 1260 001  167                        SPEECH DRAMA       00000.00           100  $        250.00  $        250.00 A 5
        * COURSE TOTAL * 001 * - - - - - - - - - - - - -   $          250.00
73 10 209 02 05 021 5120 001  2615     135 LIFE      THE PRINT              21459.00     1     100  $          7.95  $          7.95 A 4
73 10 209 02 05 021 512C 002  2615     135 LIFE      PHOTOGRAPHERS HNDBK    21459.00     1     100  $          7.95  $          7.95 A 4
73 10 209 02 C5 021 512C 003  2615     135 LIFE      PHOTO JOURNALISM       21459.00     1     100  $          7.95  $          7.95 A 4
73 10 209 02 0  021 5120 004  2615     135 LIFE      THE CAMERA             21459.00     1     100  $          7.95  $          7.95 A 4
        * COURSE TOTAL * 021 * - - - - - - - - - - - - -   $           31.80
73 10 209 02 05 025 1260 001  163                  J    CHEERLEADING       21122.02                $        100.00  $        100.00 A 5
        * COURSE TOTAL * 025 * - - - - - - - - - - - - -   $          100.00
      **  DEPARTMENT  TOTAL ** EX.CURR.   * - - - - - -   $          381.80
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                                        P R O P O S E D   B U D G E T   I T E M S
*             13 *      SUP. INSTR.      PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972       PAGE  049
   UPDATE SEQUENCE NO.                   ITEM DESCRIPTION               P.O.        UNITS    PCT.      UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 02 13 531 7110 001  1974 TOTE A TUNE                        70811.03    4      100  $        21.50  $          86.00 A 5
73 10 209 02 13 531 7110 002  2809 AUTOHARP ELECT PICKUP      ME6442  70811.03    1      100  $        18.95  $          18.95 A 5
          * COURSE TOTAL * 531 * - - - - - - - - - - - - -  $       104.95
         **  DEPARTMENT  TOTAL **              * - - - - - -  $       104.95
        *** PROGRAM TOTAL *** SUP. INSTR. - - - - - - - -  $    32,723.01
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                                         P R O P O S E D   B U D G E T   I T E M S
* PRINCIPAL  40 *      ADMINISTRAT.    PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  050
   UPDATE SEQUENCE NO.                 ITEM DESCRIPTION              F.O.       UNITS    PCT.        UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 03 40 901 1350 001  130              H    PRINCIPAL          21114.00             12  $     19,200.00  $      2,304.00 A 5
73 10 209 03 40 901 1360 001  174              M    ASSOC PRINCI       21114.00             20  $     15,800.00  $      3,160.00 A 5
      * COURSE TOTAL * 901 * - - - - - - - - - - - - -  $       5,464.00
73 10 209 03 40 902 1350 001  130              H    PRINCIPAL          21114.00             10  $     19,200.00  $      1,920.00 A 5
73 10 209 03 40 902 1360 001  174              M    ASSOC PRINCI       21114.00              4  $     15,800.00  $        632.00 A 5
      * COURSE TOTAL * 902 * - - - - - - - - - - - - -  $       2,552.00
73 10 209 03 40 903 1350 001  130              H    PRINCIPAL          21114.00              6  $     19,200.00  $      1,152.00 A 5
   10 209 03 40 903 1360 001  174              M    ASSOC PRINCI       21114.00             10  $     15,800.00  $      1,580.00 A 5
      * COURSE TOTAL * 903 * - - - - - - - - - - - - -  $       2,732.00
73 10 209 03 40 911 1350 001  130              H    PRINCIPAL          21114.00              3  $     19,200.00  $        576.00 A 5
73 10 209 03 40 911 1360 001  174              M    ASSOC PRINCI       21114.00              5  $     15,800.00  $        790.00 A 5
      * COURSE TOTAL * 911 * - - - - - - - - - - - - -  $       1,366.00
73 10 209 03 40 912 1350 001  130              H    PRINCIPAL          21114.00              3  $     19,200.00  $        576.00 A 5
73 10 209 03 40 912 1360 001  174              M    ASSOC PRINCI       21114.00             15  $     15,800.00  $      2,370.00 A 5
      * COURSE TOTAL * 912 * - - - - - - - - - - - - -  $       2,946.00
73 10 209 03 40 913 1350 001  130              H    PRINCIPAL          21114.00              3  $     19,200.00  $        576.00 A 5
73 10 209 03 40 913 1360 001  174              M    ASSOC PRINCI       21114.00              5  $     15,800.00  $        790.00 A 5
      * COURSE TOTAL * 913 * - - - - - - - - - - - - -  $       1,366.00
73 10 209 03 40 931 1350 001  130              H    PRINCIPAL          21114.00              7  $     19,200.00  $      1,344.00 A 5
      * COURSE TOTAL * 931 * - - - - - - - - - - - - -  $       1,344.00
73 10 209 03 40 932 1350 001  130              H    PRINCIPAL          21114.00              3  $     19,200.00  $        576.00 A 5
      * COURSE TOTAL * 932 * - - - - - - - - - - - - -  $         576.00
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                              P R C P O S E D   B U D G E T   I T E M S

* PRINCIPAL  40 *      ACMINISTRAT.    PRCGRESS CITY JR. HIGH    CIST--3141         RUN NC. 005   FEBRUARY 24, 1972     PAGE  C51
   UPDATE SEQUENCE NO.                 ITEM DESCRIPTION              F.C.       UNITS    PCT.       UNIT CCST       TOTAL COST   ACT
YR FD CRG PG PA CRS EXPD SEQ

73 10 209 03 40 934 1350 OC1  130                  H    PRINCIPAL         21114.0C            1  $    19,200.00  $        192.00 A 5

        * CCURSE TOTAL * 934 * - - - - - - - - - - - - - -   $        192.00

73 10 209 03 40 935 1350 001  130                  H    PRINCIPAL         21114.00            3  $    19,200.00  $        576.00 A 5

        * CCURSE TOTAL * 935 * - - - - - - - - - - - - - -   $        576.00

73 10 209 03 40 951 1350 001  130                  H    PRINCIPAL         21114.00            5  $    19,200.00  $        960.00 A 5

73 10 209 03 40 951 1360 001  174                  M    ASSCC PRINCI      21114.00            4  $    15,800.00  $        632.00 A 5

        * CCURSE TOTAL * 951 * - - - - - - - - - - - - - -   $      1,592.00

73 10 209 03 40 952 1350 OC1  130                  H    PRINCIPAL         21114.0C            3  $    19,200.00  $        576.CC A 5

   10 209 03 40 952 1360 CC1  174                  M    ASSCC PRINCI      21114.0C            1  $    15,800.00  $        158.0C A 5

        * CCURSE TOTAL * 952 * - - - - - - - - - - - - - -   $        734.00

   10 209 03 40 953 1350 OC1  130                  H    PRINCIPAL         21114.0C            1  $    19,200.00  $        192.00 A 5

   10 209 03 40 953 1360 001  174                  M    ASSCC PRINCI      21114.0C            2  $    15,800.00  $        316.00 A 5

        * COUPSE TOTAL * 953 * - - - - - - - - - - - - - -   $        508.00

   10 209 03 40 961 1350 001  130                  H    PRINCIPAL         21114.CC            1  $    19,200.00  $        192.00 A 5

 3 10 209 03 40 961 1360 001  174                  M    ASSCC PRINCI      21114.0C            2  $    15,800.00  $        316.0C A 5

        * CCURSE TOTAL * 961 * - - - - - - - - - - - - - -   $        508.00

 3 10 209 03 40 962 1350 001  130                  H    PRINCIPAL         21114.0C            5  $    19,200.00  $        960.00 A 5

        * CCURSE TOTAL * 962 * - - - - - - - - - - - - - -   $        960.00

 3 10 209 03 40 963 1350 001  130                  H    PRINCIPAL         21114.0C            2  $    19,200.CC  $        384.0C A 5

73 10 209 03 40 963 1360 001  174                  M    ASSCC PRINCI      21114.0C            3  $    15,800.00  $        474.00 A 5

        * CCURSE TOTAL * 963 * - - - - - - - - - - - - - -   $        858.00
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                              P R C P O S E D   B U D G E T   I T E M S
* PRINCIPAL  40 *      ADMINISTRAT.    PRCGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  652
   UPDATE SEQUENCE NC.                 ITEM DESCRIPTICN              F.U.       UNITS    PCT.         UNIT CCST        TCTAL COST   ACT
YR FD CRG PG PA CRS EXPE SEC

73 10 209 C3 40 964 135C 001  130           H    PRINCIPAL         21114.CC                2  $    15,200.CC  $        384.0C A 5
73 10 209 03 40 964 136C 001  174                ASSCC PRINCI      21114.0C                3  $    15,800.CO  $        474.0C A 5
        * CCURSE TOTAL * 964 * - - - - - - - - - - - - -  $       858.CC
73 10 209 C3 40 981 1350 001  130           H    PRINCIPAL         21114.CC               15  $    15,200.CC  $      2,880.CC A 5
73 10 2C9 C3 40 981 136C CC1  174           M    ASSCC PRINCI      21114.CC               20  $    15,800.C0  $      3,16C.00 A 5
        * CCURSE TOTAL * 981 * - - - - - - - - - - - - -  $     6,C40.00
73 10 209 03 40 982 1350 0C1  130           H    PRINCIPAL         21114.CC                1  $    15,200.C0  $        192.00 A 5
73 10 209 03 40 982 136C 001  174           M    ASSCC PRINCI      21114.CC                4  $    15,800.CC  $        632.00 A 5
        * CCURSE TOTAL * 982 * - - - - - - - - - - - - -  $       824.CC
73 10 209 C3 40 983 135C 0C1  130           H    PRINCIPAL         21114.CC                1  $    15,200.C0  $        192.00 A 5
        * CCURSE TOTAL * 983 * - - - - - - - - - - - - -  $       192.00
73 10 209 03 40 984 1350 0C1  130           H    PRINCIPAL         21114.CC               10  $    15,200.CC  $      1,920.00 A 5
        * CCURSE TOTAL * 984 * - - - - - - - - - - - - -  $     1,920.00
73 10 209 03 40 986 135C 001  130           H    PRINCIPAL         21114.CC                2  $    15,200.CC  $        384.00 A 5
        * CCURSE TOTAL * 986 * - - - - - - - - - - - - -  $       384.00
73 10 209 03 40 987 1350 0C1  130           H    PRINCIPAL         21114.CC                1  $    15,200.C0  $        192.00 A 5
        * CCURSE TOTAL * 987 * - - - - - - - - - - - - -  $       192.00
73 10 209 03 40 989 136C 001  174           M    ASSCC PRINCI      21114.CC                2  $    15,800.C0  $        316.00 A 5
        * CCURSE TOTAL * 989 * - - - - - - - - - - - - -  $       316.C0
    **  DEPARTMENT  TCTAL ** PRINCIPAL  * - - - - - -  $    35,CCC.00
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                                        P R O P O S E D   B U D G E T   I T E M S
* SCH.OFFICE 50 *      ADMINISTRAT.    PROGRESS CITY JR. HIGH    DIST--3141           RUN NO. 005   FEBRUARY 24, 1972      PAGE  053
   UPDATE SEQUENCE NO.                 ITEM DESCRIPTION              F.O.          UNITS    PCT.      UNIT COST       TOTAL COST   ALT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 03 50 943 4130 001  1584 130 EMB TAPE 2R 2G 2BLK     12X12     21598.00    6     100  $         1.50  $           9.00   1
73 10 209 03 50 943 4130 002  1584 130 PHONE CALL SLIP           161     21598.00   10     100  $          .25  $           2.50   1
73 10 209 03 50 943 4130 003  1584 130 LEGAL PAD                3155     21598.00   36     100  $          .17  $           6.12   1
73 10 209 03 50 943 4130 004  5021 130 PRINTED FORMS COMMERC             21598.00    1     100  $       282.00  $         282.00   1
73 10 209 03 50 943 4130 005  1754 130 PEN 8BLK 6R 5G 5BLU      2900     21598.00    2     100  $         4.80  $           9.60   1
73 10 209 03 50 943 4130 006  1754 130 SCH YR CALENDAR                   21598.00    6     100  $         1.50  $           9.00   1
73 10 209 03 50 943 4130 007  1754 130 VEL PENCIL 2BLK 1R        120     21598.00    3     100  $         3.24  $           9.72   1
 3 10 209 03 50 943 4130 008  1584 130 SCISSORS               113 C8     21598.00    1     100  $         1.70  $           1.70   1
73 10 209 03 50 943 4130 009  1584 130 SPEED LETTER FORM   4  48 502     21598.00    5     100  $         2.05  $          10.25   1
73 10 209 03 50 943 4130 010  5021 130 PRINTED FORMS SCHOOLOP            21598.00    1     100  $        60.00  $          60.00   1
73 10 209 03 50 943 8010 001  2108 130 POSTAGE                           21598.00    1     100  $       200.00  $         200.00   1
73 10 209 03 50 943 9300 001       130 OFFICE CONTINGENCY                21599.00    1     100  $       350.00  $         350.00   1
       * COURSE TOTAL * 943 * - - - - - - - - - - - - -  $       949.89
73 10 209 03 50 949 5410 001       130 CLASSROOM REBINDS                 21460.00  150     100  $         2.00  $         300.00   1
       * COURSE TOTAL * 949 * - - - - - - - - - - - - -  $       300.00
73 10 209 03 50 951 5150 001  1862 130 ENVIR CRIS LFLTS   382   11742    21452.00    1     100  $         1.50  $           1.50   1
73 10 209 03 50 951 5150 002  1862 130 ENV ED IN PUB SCH  435   25450    21452.00    1     100  $         1.50  $           1.50   1
73 10 209 03 50 951 5150 003  1862 130 MAN & HIS ENV BKLT 246   25118    21452.00    1     100  $         1.75  $           1.75   1
73 10 209 03 50 951 5240 001  1862 130 MAN & HIS ENVIR FS 388   11900    21452.00    1     100  $        17.00  $          17.00   1
73 10 209 03 50 951 5240 002  1862 130 ENVIRONMENTAL CRIS 388   11902    21452.00    1     100  $        15.00  $          15.00   1
       * COURSE TOTAL * 951 * - - - - - - - - - - - - -  $        36.75
73 10 209 03 50 953 4180 001       130 REFRESH ASSOC SCH ACT             21598.00    1     100  $       150.00  $         150.00   1
       * COURSE TOTAL * 953 * - - - - - - - - - - - - -  $       150.00
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                                     P R O P O S E D   B U D G E T   I T E M S
* SCH.OFFICE 50 *      ADMINISTRAT.    PROGRESS CITY JR. HIGH    DIST--3141         RUN NO. 005   FEBRUARY 24, 1972      PAGE  054
   UPDATE SEQUENCE NO.                 ITEM DESCRIPTION                F.O.   UNITS    PCT.       UNIT COST         TOTAL COST   ACT
YR FD ORG PG PA CRS EXPC SEQ

73 10 209 03 50 982 4130 001  1546 130 ROOM REGISTER 250 NAME   51 R1   21598.00    3    100 $          1.55 $           4.65  1
          * COURSE TOTAL * 982 * - - - - - - - - - - - -  $          4.65
73 10 209 03 50 990 2310 001                 P                          21119.00         100 $      3,169.74 $       3,169.74 A 5
73 10 209 03 50 990 2310 002                                            21119.00         100 $      4,042.50 $       4,042.50 A 5
73 10 209 03 50 990 4130 001  5000 FASTENERS, 3/4", BRASS, 10  203522  20439.00   11    100 $           .40 $           4.40  1
73 10 209 03 50 990 4130 002  5000 FASTENERS, 1/2", BRASS, 10  203822  20439.00    7    100 $           .35 $           2.45  1
73 10 209 03 50 990 4130 003  5000 FASTENERS, 1", 100/BOX, BR  204022  20439.00    5    100 $           .50 $           2.50  1
73 10 209 03 50 990 4130 004  5000 STAPLERS, SWINGLINE #27     209222  20439.00    8    100 $          3.50 $          28.00  1
73 10 209 03 50 990 4130 005  5000 MAGIC MARKER, BROWN, #69,   205422  20439.00   36    100 $           .50 $          18.00  1
73 10 209 03 50 990 4130 006  5000 MUSCILAGE, 1 OZ., LEPAGE'S  205522  20439.00   45    100 $           .15 $           6.75  1
73 10 209 03 50 990 4130 007  5000 MAGIC MARKER, RED, #69, RE  205422  20439.00   66    100 $           .50 $          33.00  1
73 10 209 03 50 990 4130 008  5000 STAPLES, ELECTRIC, SWINGLI  209322  20439.00    2    100 $          2.00 $           4.00  1
73 10 209 03 50 990 4130 009  5000 MAGIC MARKER, BLUE, #69, R  205422  20439.00   57    100 $           .50 $          28.50  1
73 10 209 03 50 990 4130 010  5000 MAGIC MARKER, GREEN, #69,   205422  20439.00   67    100 $           .50 $          33.50  1
73 10 209 03 50 990 4130 011  5000 MAGIC MARKER, BLACK, #69,   205422  20439.00   94    100 $           .50 $          47.00  1
73 10 209 03 50 990 4130 012  5000 MAGIC MARKER, YELLOW, #69,  205422  20439.00   38    100 $           .50 $          19.00  1
73 10 209 03 50 990 4130 013  5000 PAPER CUTTER, 15" BLADE, B  205622  20439.00    2    100 $         18.00 $          36.00  1
73 10 209 03 50 990 4130 014  5000 PASTE, QT., 8CS FIRMA GRIP  205822  20439.00    5    100 $           .65 $           3.25  1
73 10 209 03 50 990 4130 015  5000 PASTE, 2 OZ., 8CS FIRMA GR  205922  20439.00   12    100 $           .15 $           1.80  1
73 10 209 03 50 990 4130 016  5000 PASTE, WHEAT FLOUR, 5 LB.   202022  20439.00    [illegible] 100 $   [illegible] $      4.20  1
73 10 209 03 50 990 4130 017  5000 PASTE STICKS, 1000/PKG., 1  208122  20439.00    [illegible] 100 $   1.00 $             6.00  1
73 10 209 03 50 990 4130 018  5000 PEN, BALLPOINT #80090 BLU   206322  20439.00   [illegible] 100 $   [illegible] $     34.65  1
73 10 209 03 50 990 4130 019  5000 PENCIL, ROUND UNTIPPED NO.  206422  20439.[illegible] [illegible]  [illegible]  [illegible]  1
73 10 209 03 50 [illegible] 020  5000 INK, STAMP PAD, BLACK, SAN  205022  20439.00  [illegible]  [illegible]  1
73 10 209 03 50 [illegible] 021  5000 INK, DRAWING WATERPROOF, [illegible] 20512[illegible] [illegible]  [illegible]  [illegible]
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                                      P R O P O S E D   B U D G E T   I T E M S

* SCH.OFFICE 50 *      ADMINISTRAT.    PROGRESS CITY JR. HIGH    DIST--3141           RUN NO. 005   FEBRUARY 24, 1972      PAGE  C55
   UPDATE SEQUENCE NO.                 ITEM DESCRIPTION              F.O.         UNITS    PCT.       UNIT COST      TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 03 50 990 4130 022  5000 INK, DRAWING WATERPROOF, B  205222   20439.00  12     100  $        .35  $        4.20   1

73 10 209 03 50 990 4130 023  5000 LABELS, GUMMED, 1 1/2X2 1/  205322   20439.00  30     100  $        .20  $        6.00   1

73 10 209 03 5C 990 4130 024  5000 INDEXES, ALPHA, LEG. SZ. P  204722   20439.00   1     100  $       1.00  $        1.00   1

73 10 209 03 50 990 4130 025  5000 CLIPS, PAPER EXTRA LARGE S  203222   20439.00  70     100  $        .30  $       21.00   1

73 10 209 03 50 990 4130 026  5000 CORD, WRAPPING, 20 STRAND,  203322   20439.00  70     100  $        .30  $       21.00   1

73 10 209 03 5C 990 4130 027  5C00 INDEXES, ALPHA, LTR. SZ. P  204622   20439.00   3     100  $        .75  $        2.25   1

73 10 209 03 50 990 4130 028  5000 EYELETS FOR SOLIDHEAD PUNC  203622   20439.00  10     100  $        .55  $        5.50   1

73 10 209 03 5C 990 4130 029  5000 FASTENERS, 1/4", BRASS, 10  203722   20439.00   7     100  $        .30  $        2.10   1

73 10 209 03 50 990 4130 030  5000 DISK, MIRACLE-ROUND ADHESI  203422   20439.00   4     100  $       1.00  $        4.00   1

   10 209 03 50 990 4130 031  5000 CLIPS, PAPER NO. 1 GEM, 10  203122   20439.00 110     100  $        .10  $       11.00   1

   10 209 03 5C 990 4130 032  5000 FLAG, 4X6, OUTDOOR, 5C STA  204122   20439.00   1     100  $       5.50  $        5.50   1

   10 209 03 50 990 4130 033  5000 INDEXES, ALPHA., 3X5 CARDS  204322   20439.00   1     100  $        .60  $         .60   1

   10 209 03 5C 990 4130 034  5000 INDEXES, ALPHA, 4X6 CARDS,  204422   20439.00  10     100  $       1.00  $       10.00   1

   10 209 03 50 990 4130 035  5000 INDEXES, ALPHA, 5X8 CARDS,  204522   20439.00  11     100  $       1.05  $       11.55   1

   10 209 03 50 990 413C 036  5000 CHALK, COLORED ASST, B&S 6  202822   20439.00   1     100  $       1.85  $        1.85   1

   10 209 C3 50 990 413C 037  5000 CHALK, COLORED ASST, B&S 6  202922   20439.00   1     100  $        .85  $         .85   1

   10 209 03 50 990 4130 038  5000 ADHESIVE SCIENTIFIC TRI-TE  202322   20439.00  24     100  $        .25  $        6.00   1

73 10 209 C3 5C 990 413C 039  5000 ART GUM, 1 1/8", DIXON 110  202422   20439.00  21     100  $        .85  $       17.85   1

73 10 209 C3 50 990 413C 040  5000 PENDAFLEX SUSPENSION FRAME  216422   20439.00  27     100  $       2.20  $       59.40   1

73 10 209 C3 50 990 4130 041  5000 PENDAFLEX FOLDERS, LEGAL S  216222   20439.00  15     100  $       4.60  $       69.00   1

73 10 209 03 50 990 4130 042  5000 PENDAFLEX TABS, 1/5 CUT, #  216322   20439.00  21     100  $        .80  $       16.80 D 4

73 10 209 03 50 990 4130 043  5000 PENDAFLEX TABS, 1/3 CUT, #  216322   20439.00   6     100  $        .95  $        5.70   1

73 10 209 03 5C 990 4130 044  5000 PAPER, THEME, WHITE, RED M  216022   20439.00  23     100  $        .90  $       20.70   1

73 10 209 03 50 990 4130 045  5000 CONST. PAPER, 9X12, WHITE   216522   20439.00   3     100  $        .30  $         .90   1

73 10 209 03 50 990 4130 046  5000 BLUE #                      216522   20439.00   1     100  $        .30  $         .30   1
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                                            P R O P O S E D   B U D G E T   I T E M S
* SCH.OFFICE 50 *      ADMINISTRAT.    PROGRESS CITY JR. HIGH    DIST--3141          RUN NC. 005   FEBRUARY 24, 1972     PAGE  056
   UPDATE SEQUENCE NO.                ITEM DESCRIPTION                     F.O.        UNITS   PCT.      UNIT COST        TOTAL COST  ACT
YR FD ORG PG PA CRS EXPC SEQ

73 10 209 C3 50 990 4130 047  5000 LIGHT BLUE #5              216522   20439.0C    1    100  $          .30  $          .30  1
73 10 209 03 50 990 4130 048  5000 YELLOW #14                 216522   20439.00    1    100  $          .30  $          .30  1
73 10 209 03 50 990 4130 049  5000 ORANGE #15                 216522   20439.00    3    100  $          .30  $          .90  1
73 10 209 03 50 990 413C 050  5000 PINK #18                   216522   20439.0C    1    100  $          .30  $          .30  1
73 10 209 03 50 990 4130 051  5000 PENCIL, COLORED, ASST., DI 206822   20439.00   17    100  $         1.00  $        17.00  1
73 10 209 03 50 990 4130 052  5000 PENCIL, #2 LARGE PRIMARY,  206922   20439.0C    3    100  $          .75  $         2.25  1
'3 10 209 03 50 990 4130 053  5000 PENCIL SHARPENER, BOSTON R 207022   20439.00    9    100  $         4.15  $        37.35  1
 3 10 209 03 50 990 4130 054  5000 PENHCLDERS, YELLOW PLASTIC 207122   20439.00    2    100  $          .80  $         1.60  1
 3 10 209 03 50 990 4130 055  5C00 PENCIL, #3 HARDNESS, DIXON 206522   20439.00   15    100  $          .50  $         7.50  1
   10 209 03 50 990 4130 056  5000 PENCIL, RED LEAD, THIN WIT 206622   20439.0C   37    100  $          .75  $        27.75  1
   10 209 03 5C 990 4130 057  5000 PENCIL, BLUE LEAD, THIN WI 206722   20439.0C   12    100  $          .75  $         9.00  1
   10 209 03 50 990 4130 058  5000 PENCIL, #2 HARDNESS, DIXON 206522   20439.00   55    100  $          .50  $        27.50  1
   10 209 03 50 990 4130 059  5000 PENCIL, #2 1/2 HARDNESS, D 206522   20439.0C   24    100  $          .50  $        12.00  1
   10 209 03 50 990 4130 06C  5000 PUNCH, 1/4" NOTEBOOK USE,  207722   20439.0C    7    100  $         1.20  $         8.40  1
   10 209 03 50 990 4130 061  5000 POINTER, BLACKBOARD, 3' LE 207522   20439.0C    3    100  $          .30  $          .90  1
   10 209 03 50 990 4130 062  5000 PUNCH, SOLIDHEAD, #180 BER 207622   20439.0C    1    100  $         3.50  $         3.50  1
73 10 209 03 50 990 4130 063  5000 PINS, COMMON STRAIGHT, #17 207322   20439.0C   60    100  $          .25  $        15.00  1
73 10 2C9 03 50 990 413C 064  5000 PLAN BOOK, LARGE SIZE, KLI 207422   20439.0C   45    100  $         1.25  $        60.75  1
73 10 209 03 50 990 4130 065  5000 RINGS, NOTEBOOK, GUMMED RE 207822   20439.00   44    100  $          .10  $         4.40  1
73 10 209 C3 50 990 4130 066  5000 PENDAFLEX FOLDERS, LTR. SZ 216222   20439.00    5    100  $         4.05  $        20.25  1
73 10 209 03 50 990 4130 067  5000 RECORD BOOKS, FOR ELEM. 6  207922   20439.0C   45    100  $         1.70  $        76.50  1
73 10 209 03 50 990 4130 068  5000 RECORD BOOKS, FOR HS, #62- 208022   20439.00    4    100  $         1.75  $         7.00  1
73 10 209 C3 50 990 4130 069  5000 PENDAFLEX FOLDERS, LEGAL S 216222   20439.0C   29    100  $         4.55  $       131.95  1
73 10 209 03 50 990 4130 070  5000 PENDAFLEX FOLDERS, LTR SZ. 216222   20439.00    7    100  $  [illegible]  $  [illegible]  1
73 10 209 03 50 [illegible] 4130 071  5000 PAPER, YELLOW SECOND SHEET 216122   20439.00   10    100  $  [illegible]  $  [illegible]
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                                      P R O P O S E D   B U D G E T   I T E M S
* SCH.OFFICE 50 *      ADMINISTRAT.    PROGRESS CITY JR. HIGH    DIST--3141              RUN NO. 005   FEBRUARY 24, 1972      PAGE  057
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION                    F.O.       UNITS    PCT.       UNIT COST         TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 03 50 990 4130 072  5000 IBM SELECTRIC, CARBON #312   218122   20439.00    12      100  $          .65  $           7.80   1
73 10 209 03 50 990 4130 073  5000 IBM SELECTRIC, FABRIC #113   218222   20439.00     3      100  $         1.80  $           5.40   1
73 10 209 03 50 990 4130 074  5000 UNDERWOOD, MANUAL, TOUCHMA   218022   20439.00     7      100  $         1.80  $          12.60   1
73 10 209 03 50 990 4130 075  5000 PAPER, THEME, YELLOW, NO R   215822   20439.00    12      100  $          .75  $           9.00   1
73 10 209 03 50 990 4130 076  5000 IBM EXECUTIVE, CARTRIDGE T   218322   20439.00     2      100  $         1.00  $           2.00   1
 0 10 209 03 50 990 4130 077  5000 CARBON RIBBON, #1010760      218422   20439.00     1      100  $          .90  $            .90   1
   10 209 03 50 990 4130 078  5000 ROYAL, ELECTRIC AND MANUAL   217122   20439.00     1      100  $         1.80  $           1.80   1
   10 209 03 50 990 4130 079  5000 UNDERWOOD, MANUAL, #113625   217922   20439.00    36      100  $         1.80  $          64.80   1
   10 209 03 50 990 4130 080  5000 PAPER, THEME, WHITE, NO RE   215922   20439.00    16      100  $          .75  $          12.00   1
   10 209 03 50 990 4130 081  5000 REMINGTON MANUAL #113E257,   217022   20439.00    30      100  $         1.80  $          54.00   1
   10 209 03 50 990 4130 082  5000 UNDERWOOD, MANUAL-TOUCHMAS   218022   20439.00     2      100  $         1.80  $           3.60   1
   10 209 03 50 990 4130 083  5000 OFFSET PAPER, PINK, 8 1/2X   215522   20439.00     7      100  $         1.20  $           8.40   1
   .0 209 03 50 990 4130 084  5000 PAPER, OAK TAG, MANILA, 18   215622   20439.00    14      100  $         4.00  $          56.00   1
    0 209 03 50 990 4130 085  5000 PAPER, ONION SKIN, 8 1/2X1   215722   20439.00     2      100  $         2.00  $           4.00   1
    0 209 03 50 990 4130 086  5000 ROYAL SAFARI PORTABLE                 20439.00     2      100  $         1.80  $           3.60   1
    0 209 03 50 990 4130 087  5000 PAPER, WH. NEWSPRINT, 22X2   215222   20439.00     1      100  $         3.15  $           3.15   1
    0 209 03 50 990 4130 088  5000 OFFSET PAPER, WH. 8 1/2X11   215522   20439.00    70      100  $          .80  $          56.00   1
    0 209 03 50 990 4130 089  5000 OFFSET PAPER, WH. 8 1/2X14   215522   20439.00     2      100  $         1.00  $           2.00   1
73 10 209 03 50 990 4130 090  5000 PAPER, INK #59, 5TH-6TH GR   215022   20439.00     2      100  $         1.15  $           2.30   1
73 10 209 03 50 990 4130 091  5000 PAPER, PENCIL #3, LATE 2ND   214722   20439.00     2      100  $          .85  $           1.70   1
73 10 209 03 50 990 4130 092  5000 PAPER, PENCIL #3-A, 3RD GR   214822   20439.00     2      100  $         1.00  $           2.00   1
73 10 209 03 50 990 4130 093  5000 PAPER, PENCIL #4, 4TH GRAD   214922   20439.00     2      100  $          .85  $           1.70   1
73 10 209 03 50 990 4130 094  5000 OFFSET PAPER, YELLOW, 8 1/   215522   20439.00     9      100  $         1.20  $          10.80   1
73 10 209 03 50 990 4130 095  5000 OFFSET PAPER, BLUE, 8 1/2X   215522   20439.00     2      100  $         1.20  $           2.40   1
73 10 209 03 50 990 4130 096  5000 OFFSET PAPER, GREEN, 8 1/2   215522   20439.00     9      100  $         1.20  $          10.80   1
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                                   P R O P O S E D   B U D G E T   I T E M S

* SCH.OFFICE 50 *      ADMINISTRAT.    PROGRESS CITY JR. HIGH    DIST--3141          FUN NO. 005    FEBRUARY 24, 1972      PAGE  058
   UPDATE SEQUENCE NO.                 ITEM DESCRIPTION              F.D.         UNITS    PCT.       UNIT COST       TOTAL COST  ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 03 50 990 4130 057  5000 OFFSET PAPER, BLUE, 8 1/2X  215522   20439.00     2     100  $       1.00  $          2.00  1
73 10 209 03 50 990 4130 058  5000 CRM. MAN. DRAW. PAPER, 12X  213222   20439.00     1     100  $       1.90  $          1.90  1
73 10 209 03 50 990 4130 099  5000 WH. DRAW. OR WATERCOLOR PA  213322   20439.00     1     100  $       2.25  $          2.25  1
73 10 209 03 50 990 4130 100  5000 WH. DRAW. OR WATERCOLOR PA  213422   20439.00     4     100  $       3.75  $         15.00  1
73 10 209 03 50 990 4130 101  5000 DUP. PAPER, WH. 8 1/2X11,   213522   20439.00   430     100  $        .70  $        301.00 D 4
73 10 209 03 50 990 4130 102  5000 DUP. PAPER, WH. 8 1/2X14,   213522   20439.00    10     100  $        .90  $          9.00  1
73 10 209 03 50 990 4130 103  5000 DUP. PAPER, WH. 8 1/2X11,   213522   20439.00   450     100  $        .90  $        405.00  1
73 10 209 03 50 990 4130 104  5000 DUP. PAPER, WH. 8 1/2X14,   213522   20439.00    60     100  $       1.10  $         66.00  1
73 10 209 03 50 990 4130 105  5000 DUP. PAPER, YELLOW, 8 1/2X  213622   20439.00   130     100  $        .95  $        123.50  1
73 10 209 03 50 990 4130 106  5000 DUP. PAPER, YELLOW, 8 1/2X  213622   20439.00    10     100  $       1.10  $         11.00  1
73 10 209 03 50 990 4130 107  5000 MIMEO PAPER, BUFF 8 1/2X14  214122   20439.00     1     100  $        .95  $           .95  1
73 10 209 03 50 990 4130 108  5000 DUP. PAPER, PINK, 8 1/2X11  213722   20439.00   110     100  $        .95  $        104.50  1
73 10 209 03 50 990 4130 109  5000 DUP. PAPER, PINK, 8 1/2X14  213722   20439.00    10     100  $       1.10  $         11.00  1
73 10 209 03 50 990 4130 110  5000 DUP. PAPER, LT. GR., 8 1/2  213822   20439.00   150     100  $        .95  $        142.50  1
73 10 209 03 50 990 4130 111  5000 DUP. PAPER, LT. GR., 8 1/2  213822   20439.00    10     100  $       1.10  $         11.00  1
73 10 209 03 50 990 4130 112  5000 MIMEO PAPER, LT. GR. 8 1/2  214222   20439.00     1     100  $        .75  $           .75  1
73 10 209 03 50 990 4130 113  5000 PAPER, 100% BR. KRAFT, 40   214322   20439.00     2     100  $       4.00  $          8.00  1
73 10 209 03 50 990 4130 114  5000 BOGUS PAPER, GRAY, 18X24,   212622   20439.00    13     100  $       2.00  $         26.00  1
73 10 209 03 50 990 4130 115  5000 COORDINATE PAPER, 8X10 1/2  212722   20439.00     3     100  $       1.50  $          4.50  1
73 10 209 03 50 990 4130 116  5000 CROSS-SECTION PAPER, 1/4",  212922   20439.00     2     100  $       1.50  $          3.00  1
73 10 209 03 50 990 4130 117  5000 CROSS-SECTION PAPER, 1/2"   213022   20439.00 [illegible] 100  $ [illegible]  $          4.50  1
73 10 209 03 50 990 4130 118  5000 [illegible] TAPE, 2" WIDE, KRAF  212322   20439.00 [illegible] 100  $     .70  $          2.10  1
73 10 209 03 50 990 4130 119  5000 ADDING MACHINE TAPE, 2 1/4  212422   20439.00     3     100  $        .30  $           .90  1
73 10 209 03 50 99[illegible] 120  5000 ADDING MACHINE TAPE, 3 7/8  212522   20439.00  1[illegible]  [illegible]  $  [illegible]  $  [illegible]
[illegible] SIZE 1/8 CUT  212122   20439.00 [illegible]
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                                          P R O P O S E D   B U D G E T   I T E M S
* SCH.OFFICE 50 *        ADMINISTRAT.    PROGRESS CITY JR. HIGH    DIST--3141          RLN NO. 005    FEBRUARY 24, 1972      PAGE  059
   UPDATE SEQUENCE NO.                    ITEM DESCRIPTION                F.O.        UNITS    PCT.       UNIT COST       TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 03 50 990 4130 122  5000 FOLDERS, LEGAL SIZE 1/5 CU  212222   20439.00   19     100  $        2.00  $        38.00   1
73 10 209 03 50 990 4130 123  5000 FOLDERS, LTR. SIZE 1/3 CUT  211922   20439.00    7     100  $        2.00  $        14.00   1
73 10 209 03 50 990 4130 124  5000 FOLDERS, LEGAL SIZE, 1/3 C  212022   20439.00   13     100  $        2.50  $        32.50   1
73 10 209 03 50 990 4130 125  5000 ENV., BR. KRAFT, 4 5/8X6 3  211622   20439.00    1     100  $        1.70  $         1.70   1
73 10 209 03 50 990 4130 126  5000 ENV., OPEN END, 4 3/8"X6 1  211722   20439.00    2     100  $        1.75  $         3.50   1
73 10 209 03 50 990 4130 127  5000 FACIAL TISSUE, 100 DOUBLES  211822   20439.00  252     100  $         .20  $        50.40   1
73 10 209 03 50 990 4130 128  5000 ENV., BR. KRAFT, 6X9, CLAS  211522   20439.00    5     100  $        2.25  $        11.25   1
73 10 209 03 50 990 4130 129  5000 CARD, INDEX, 5X8, WH., 100  211122   20439.00   80     100  $         .30  $        24.00   1
73 10 209 03 50 990 4130 130  5000 ENV., SIZE 6 3/4, 3 5/8X6   211222   20439.00    4     100  $        1.70  $         6.80   1
73 10 209 03 50 990 4130 131  5000 ENV., SIZE 10, 4 1/8X9 1/2  211322   20439.00    6     100  $        2.15  $        12.90   1
73 10 209 03 50 990 4130 132  5000 ENV., BR. KRAFT, 9 1/2X12   211422   20439.00    4     100  $        2.50  $        10.00   1
73 10 209 03 50 990 4130 133  5000 RUBBER BANDS, SZ. 19, 3 1/  208122   20439.00   27     100  $         .40  $        10.80   1
73 10 209 03 50 990 4130 134  5000 RUBBER BANDS, SZ. 64, 3 1/  208222   20439.00   22     100  $         .40  $         8.80   1
73 10 209 03 50 990 4130 135  5000 RUBBER CEMENT, CARTERS 842  208322   20439.00   63     100  $         .70  $        44.10   1
73 10 209 03 50 990 4130 136  5000 SANDPAPER, MEDIUM, 9 X 10   208422   20439.00  118     100  $         .05  $         5.90   1
73 10 209 03 50 990 4130 137  5000 SANDPAPER, COARSE, 9 X 10   208522   20439.00   57     100  $         .05  $         2.85   1
73 10 209 03 50 990 4130 138  5000 STARS, GUMMED, #2, SILVER,  209122   20439.00    1     100  $         .10  $          .10   1
73 10 209 03 50 990 4130 139  5000 SCISSORS, POINTED LEFTY CP  208622   20439.00   10     100  $         .40  $         4.00   1
73 10 209 03 50 990 4130 140  5000 SHELLAC, WHITE PURE         208922   20439.00    3     100  $        4.00  $        12.00   1
73 10 209 03 50 990 4130 141  5000 STAMP PADS, BLACK, #1 SIZE  209022   20439.00    1     100  $         .50  $          .50   1
73 10 209 03 50 990 4130 142  5000 STARS, GUMMED, #2, GOLD, 1  209122   20439.00    1     100  $         .10  $          .10   1
73 10 209 03 50 990 4130 143  5000 SCISSORS, 5" OVERALL POINT  208722   20439.00   55     100  $         .40  $        22.00   1
73 10 209 03 50 990 4130 144  5000 SHELLAC THINNER, SYNOSOL O  208822   20439.00    2     100  $        2.00  $         4.00   1
73 10 209 03 50 990 4130 145  5000 BLOTTER, DESK ASST. COLORS  210722   20439.00   90     100  $         .10  $         9.00   1
73 10 209 03 50 990 4130 146  5000 CARDBOARD, WH. 22X28, COAT  210822   20439.00 1050     100  $         .10  $       105.00   1
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                                                      P R O P O S E D   B U D G E T   I T E M S
* SCH.OFFICE 50 *       ADMINISTRAT.     PROGRESS CITY JR. HIGH      DIST--3141           RUN NO. 005   FEBRUARY 24, 1972     PAGE  C6D
   UPDATE SEQUENCE NO.                   ITEM DESCRIPTION                  F.O.          UNITS   PCT.     UNIT COST       TOTAL COST  ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 03 50 990 4130 147  5000 CARD, INDEX, 3X5, WH., 100  210922   20439.00 140   100 $          .10 $          14.00  1
73 10 209 03 50 990 4130 148  5000 CARD, INDEX, 4X6, WH., 100  211022   20439.00  60   100 $          .20 $          12.00  1
7? '0 209 03 50 990 4130 149  5000 WASTE PAPER BASKET, LT. GR  210522   20439.00   2   100 $         3.00 $           6.00  1
    0 209 03 50 990 4130 150  5000 YARD STICK, #9 MAPLE, GRAD  210622   20439.00  15   100 $          .25 $           3.75  1
   10 209 03 50 990 4130 151  5000 TAPE, TRANS. MAGIC, 3/4"X3  210022   20439.00 132   100 $          .35 $          46.20  1
   10 209 03 50 990 4130 152  5000 TAPE, CLOTH, GUMMED, 2"X4   209522   20439.00   6   100 $          .60 $           3.60  1
   10 209 03 50 990 4130 153  5000 TAPE, DRAFTING 3/4"X10 YD.  209622   20439.00  42   100 $          .25 $          10.50  1
 ) 10 209 03 50 990 4130 154  5000 TAPE, CELLOPHANE 3/4"X400   209822   20439.00  72   100 $          .25 $          18.00  1
 3 10 209 03 50 990 4130 155  5000 TAPE, CELLOPHANE 1/2"X1296  209922   20439.00   9   100 $          .55 $           4.95  1
73 10 209 03 50 990 4130 156  5000 TAPE, DRAFTING 3/4"X60 YD.  209722   20439.00 150   100 $          .70 $         105.00  1
73 10 209 03 50 990 4130 157  5000 STAPLES, SWINGLINE 35, 210  209422   20439.00  70   100 $          .35 $          24.50  1
73 10 209 03 50 990 4130 158  5000 THUMB TACKS, 1/2" MED. HEA  210322   20439.00  14   100 $          .15 $           2.10  1
73 10 209 03 50 990 4130 159  5000 THUMB TACKS, 1/2" SMALL HE  210422   20439.00  12   100 $          .15 $           1.80  1
73 10 209 03 50 990 4130 160  5000 TAPE, TRANS MAGIC, 1/2"X12  210122   20439.00  13   100 $          .75 $           9.75  1
73 10 209 03 50 990 4130 161  5000 WASTE PAPER BASKET, GRAY    210522   20439.00   6   100 $         3.00 $          18.00  1
73 10 209 03 50 990 4130 162  5000 STARS, GUMMED, #2, BLUE, 1  209122   20439.00   1   100 $          .10 $            .10  1
73 10 209 03 50 990 4130 163  5000 STARS, GUMMED, #2, RED, 12  209122   20439.00   1   100 $          .10 $            .10  1
73 10 209 03 50 990 4130 164  5000 PINK #18                    216622   20439.00   7   100 $          .55 $           3.85  1
73 10 209 03 50 990 4130 165  5000 ORANGE #15                  216622   20439.00  10   100 $          .55 $           5.50  1
73 10 209 03 50 990 4130 166  5000 MAGENTA #20                 216622   20439.00   9   100 $          .55 $           4.95  1
73 10 209 03 50 990 4130 167  5000 WARM BROWN #23              216622   20439.00   7   100 $          .55 $           3.85  1
73 10 209 03 50 990 4130 168  5000 BLACK #25                   216622   20439.00   8   100 $          .55 $           4.40  1
73 10 209 03 50 990 4130 169  5000 BLUE GREEN #26              216622   20439.00   3   100 $          .55 $           1.65  1
73 10 209 03 50 990 4130 170  5000 SCARLET-BRILLIANT RED #28   216622   20439.00  21   100 $          .55 $          11.55  1
73 10 209 03 50 990 4130 171  5000 YELLOW GREEN #32            216622   20439.00   6   100 $          .55 $           3.30  1
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                                     P R O P O S E D   B U D G E T   I T E M S
* SCH.OFFICE 50 *      ADMINISTRAT.    PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  061
   UPDATE SEQUENCE NO.                 ITEM DESCRIPTION              F.O.         UNITS     PCT.      UNIT COST         TOTAL COST   ACT
YR FD CRG PG PA CRS EXPD SEQ

73 10 209 03 50 990 4130 172  5000 EMERALD GREEN #33           216622   20439.00   11    100  $        .55  $        6.05  1
73 10 209 03 50 990 4130 173  5000 YELLOW ORANGE #34           216622   20439.00    5    100  $        .55  $        2.75  1
73 10 209 03 50 990 4130 174  5000 LIGHT VIOLET #47            216622   20439.00    4    100  $        .55  $        2.20  1
73 10 209 03 50 990 4130 175  5000 GREEN #55                   216622   20439.00    5    100  $        .55  $        2.75  1
73 10 209 03 50 990 4130 176  5000 MIXED COLORS #100           216622   20439.00   19    100  $        .55  $       10.45  1
 3 10 209 03 50 990 4130 177  5000 WHITE #1                    216622   20439.00   10    100  $        .55  $        5.50  1
 3 10 209 03 50 990 4130 178  5000 VIOLET #3                   216622   20439.00    7    100  $        .55  $        3.85  1
 3 10 209 03 50 990 4130 179  5000 BLUE #4                     216622   20439.00   10    100  $        .55  $        5.50  1
 3 10 209 03 50 990 4130 180  5000 LIGHT BLUE #5               216622   20439.00    9    100  $        .55  $        4.95  1
 3 10 209 03 50 990 4130 181  5000 LIGHT VIOLET #47            216522   20439.00    3    100  $        .30  $         .90  1
 3 10 209 03 50 990 4130 182  5000 GREEN #55                   216522   20439.00    2    100  $        .30  $         .60  1
 3 10 209 03 50 990 4130 183  5000 CLIPS, BLACKBOARD, QUICK G  203022   20439.00   10    100  $        .60  $        6.00  1
 3 10 209 03 50 990 4130 184  5000 PENDAFLEX SUSPENSION FRAME  216422   20439.00    3    100  $       1.95  $        5.85 D 4
 3 10 209 03 50 990 4130 185  5000 BOOK ENDS, METAL, BLACK, 4  202522   20439.00    2    100  $        .35  $         .70  1
 3 10 209 03 50 990 4130 186  5000 DUPLICATOR FLUID, SPIRIT T  200822   20439.00   90    100  $       1.40  $      126.00 D 4
 3 10 209 03 50 990 4130 187  5000 MASTER UNIT, THERMO, 8 1/2  201122   20439.00   70    100  $       4.00  $      280.00  1
73 10 209 03 50 990 4130 188  5000 MASTER UNIT, THERMO, 8 1/2  201122   20439.00    7    100  $       6.00  $       42.00  1
73 10 209 03 50 990 4130 189  5000 ROLLER, RUBBER, AB DICK 21  201222   20439.00    1    100  $       1.40  $        1.40  1
73 10 209 03 50 990 4130 190  5000 MASTER UNIT, 150 RUN, 8 1/  200922   20439.00   42    100  $       2.50  $      105.00  1
73 10 209 03 50 990 4130 191  5000 MASTER UNIT, 500 RUN, 8 1/  200922   20439.00   45    100  $       3.50  $      157.50  1
73 10 209 03 50 990 4130 192  5000 MASTER UNIT, 150 RUN, 8 1/  201022   20439.00    4    100  $       3.00  $       12.00  1
73 10 209 03 50 990 4130 193  5000 MASTER UNIT, 500 RUN, 8 1/  201022   20439.00    9    100  $       3.80  $       34.20  1
73 10 209 03 50 990 4130 194  5000 ROLLER, RUBBER, STANDARD R  201422   20439.00    1    100  $       1.50  $        1.50  1
73 10 209 03 50 990 4130 195  5000 MASTER SPIRIT UNIT, REC, 8  200122   20439.00   70    100  $        .04  $        2.80  1
73 10 209 03 50 990 4130 196  5000 MASTER SPIRIT UNIT, GR., 8  200122   20439.00   60    100  $        .04  $        2.40  1
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                                   P R O P O S E D   B U D G E T   I T E M S

* SCH.OFFICE 50 *      ADMINISTRAT.    PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  062
   UPDATE SEQUENCE NO.                 ITEM DESCRIPTION              F.O.           UNITS    PCT.       UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 03 50 990 4130 197  5000 MASTER SPIRIT UNIT, MUSIC,  200222   20439.00 250     100  $            .05  $          12.50   1
73 10 209 03 50 990 4130 198  5000 MIXED COLORS #100           216522   20439.00   7     100  $            .30  $           2.10   1
73 10 209 03 50 990 4130 199  5000 WICK, FELT, AB DICK 210, P  202022   20439.00   1     100  $            .55  $            .55   1
73 10 209 03 50 990 4130 200  5000 SCARLET-BRILLIANT RED #28   216522   20439.00   5     100  $            .30  $           1.50   1
73 10 209 03 50 990 4130 201  5000 EMERALD GREEN #33           216522   20439.00   4     100  $            .30  $           1.20   1
73 10 209 03 50 990 4130 202  5000 TYPEWRITER ERASER, ROUND W  201822   20439.00  42     100  $            .15  $           6.30   1
73 10 209 03 50 990 4130 203  5000 TYPEWRITER ERASER, PENCIL,  201922   20439.00  40     100  $            .20  $           8.00   1
73 10 209 03 50 990 4130 204  5000 TYPE CLEANER, SOLVENE, 4 C  201722   20439.00   3     100  $            .50  $           1.50   1
73 10 209 03 50 990 4130 205  5000 LIGHT GRAY #7               216622   20439.00   2     100  $            .55  $           1.10   1
73 10 209 03 50 990 4130 206  5000 YELLOW #14                  216622   20439.00  10     100  $            .55  $           5.50   1
73 10 209 03 50 990 4130 207  5000 RUBBER SIDE TENSION PAD, A  201522   20439.00   1     100  $           1.10  $           1.10   1
73 10 209 03 50 990 4130 208  5000 WICK, FELT, STANDARD ROCKE  202222   20439.00   1     100  $            .25  $            .25   1
73 10 209 03 50 990 4130 209  5000 BLACK #25                   216522   20439.00   3     100  $            .30  $            .90   1
73 10 209 03 50 990 4130 210  5000 BLUE GREEN #26              216522   20439.00   1     100  $            .30  $            .30   1
73 10 209 03 50 990 4130 211  5000 PENCIL CARB, BLACK, CARB.   200322   20439.00   2     100  $           1.50  $           3.00   1
73 10 209 03 50 990 4130 212  5000 TYPEWRITER CARB, BLACK, ST  200522   20439.00   4     100  $           1.75  $           7.00   1
73 10 209 03 50 990 4130 213  5000 HAND CLEANSER, LB. CONTAIN  200722   20439.00   9     100  $            .60  $           5.40   1
73 10 209 03 50 990 7130 002  1386 130 TYP ELE 12 PITCH ARTIS     053   70811.03   1     100  $          18.00  $          18.00 A 2
73 10 209 03 50 990 7130 003  1584 130 3 HOLE PUNCH              3 25   70811.03   1     100  $          11.15  $          11.15 A 2
73 10 209 03 50 990 8830 001  1386 130 SERVICE TYPEWRITERS              41811.03   3     100  $          25.00  $          75.00 A 2
73 10 209 03 50 990 8830 002  1264 130SERVICE DUPLICATORS               41811.03   3     100  $          25.00  $          75.00 A 2

         * COURSE TOTAL * 990 * -  - - - - - - - - - - -    $    11,760.94

        **  DEPARTMENT  TOTAL ** SCH.OFFICE * - - - - - -    $    13,202.23

       *** PROGRAM TOTAL *** ADMINISTRAT. - - - - - - - -    $    48,202.23
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                                   P R O P O S E D   B U D G E T   I T E M S

* FAC.MT.O R 02 *      MAINT.OPER.     PROGRESS CITY JR. HIGH    DIST--3141         RUN NO. 005   FEBRUARY 24, 1972     PAGE  063
   UPDATE SEQUENCE NO.                 ITEM DESCRIPTION              F.O.          UNITS    PCT.      UNIT COST       TOTAL COST   ACT
YR FD ORG PG PA CRS EXPC SEQ

73 10 209 04 02 120 8870 001       SITE MAINTENANCE                       41395.01    1      100 $        250.00 $          250.00 A 5

        * COURSE TOTAL * 120 * - - - - - - - - - - - -   $        250.00

73 10 209 04 02 140 4170 001       BRUSHES COUNTER  8614  DOZ  201117    40480.00    2      100 $         15.00 $           30.00 A 5
73 10 209 04 02 140 4170 002       BROOMS ORDINARY HOUSE TYPE  200917    40480.00    2      100 $          3.00 $            6.00 A 5
73 10 209 04 02 140 4170 003       BOILER COMPOUND       5GAL  200817    40480.00    3      100 $         12.00 $           36.00 A 5
73 10 209 04 02 140 4170 004       AMONIA  12 BOTTLES / CASE   200417    40480.00    2      100 $          2.50 $            5.00 A 5
73 10 209 04 02 140 4170 005       MAINTENANCE SUPPLIES                  70815.00    1      100 $        600.00 $           00.00 A 5
73 10 209 04 02 140 4170 006       GYM SEAL                GAL           40480.00   12      100 $          7.00 $           84.00 A 5
73 10 209 04 02 140 4170 007       FLOOR SEAL            5 GAL  205017   40480.00    5      100 $         20.00 $          100.00 A 5
73 10 209 04 02 140 4170 008       DUST MOPS  1836A             204317   40480.00    4      100 $          4.16 $           16.64 A 5
73 10 209 04 02 140 4170 009       DUST CLOTHES            LBS  203717   40480.00   10      100 $           .80 $            8.00 A
73 10 209 04 02 140 4170 010       DISINFECTANT  12 CANS/CASE   203317   40480.00    1      100 $         15.00 $           15.00 A
73 10 209 04 02 140 4170 011       CONCENTRATE          20 GAL  202917   40480.00    1      100 $         43.60 $           43.60 A
73 10 209 04 02 140 4170 012       CLEANSER  48 CAN / CASE      202717   40480.00    2      100 $          5.50 $           11.00 A
 3 10 209 04 02 140 4170 013       BRUSHES TOILET 1738          202217   40480.00    2      100 $          1.41 $            2.82 A
 3 10 209 04 02 140 4170 014       BRUSHES FLOOR 24IN  3224     201317   40480.00    1      100 $         24.00 $           24.00 A
73 10 209 04 02 140 8870 001       BUILDING MAINTENANCE                  41395.01    1      100 $        250.00 $          250.00 A

        * COURSE TOTAL * 140 * - - - - - - - - - - - -   $      1,232.06

73 10 209 04 02 150 2520 001                                             40173.02           100 $      5,950.00 $        5,950.00 A
73 10 209 04 02 150 2520 002                                             40173.02           100 $      5,900.00 $        5,900.00 A 5
73 10 209 04 02 150 2520 003                                             40173.02           100 $      5,220.00 $        5,220.00 A 5
73 10 209 04 02 150 2520 004                                             40173.02           100 $      5,575.00 $        5,575.00 A 5
73 10 209 04 02 150 2521 001                                             40171.02           100 $      6,300.00 $        6,300.00 A 5
73 10 209 04 02 150 8875 001       CLOCKS AND SIGNALS                    41392.02    1      100 $      1,600.00 $        1,600.00 A 5

        * COURSE TOTAL * 150 * - - - - - - - - - - - -   $     30,545.00
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                                   P R O P O S E D   B U D G E T   I T E M S
* FAC.MT.O R 02 *      MAINT.OPER.     PROGRESS CITY JR. HIGH     DIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  064
   UPDATE SEQUENCE NO.                ITEM DESCRIPTION                F.C.        UNITS   PCT.      UNIT COST       TOTAL COST   ACT
YR FD ORG PG PA CRS EXPC SEQ

73 10 209 04 02 160 8874 001       ELECTRICAL                            41392.01    1      100  $      500.00  $      500.00 A 5
       * COURSE TOTAL * 160 * - - - - - - - - - - - - -  $       500.00
73 10 209 04 02 161 8870 001       HEATING AND VENTILATING               41390.00    1      100  $      200.00  $      200.00 A 5
       * COURSE TOTAL * 161 * - - - - - - - - - - - - -  $       200.00
73 10 209 04 02 162 8873 001       MAINTENANCE OF PLUMBING               41391.00    1      100  $      250.00  $      250.00 A 5
73 10 209 04 02 162 6873 002       MAINTENANCE TO SEWERS                 41391.01    1      100  $      200.00  $      200.00 A 5
       * COURSE TOTAL * 162 * - - - - - - - - - - - - -  $       450.00
     **  DEPARTMENT  TOTAL ** FAC.MT.O R * - - - - - -  $    33,177.06
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                                        P R O P O S E D   B U D G E T   I T E M S
* FAC.MT.O S 03 *      MAINT.OPER.     PROGRESS CITY JR. HIGH    DIST--3141
   UPDATE SEQUENCE NO.                                                        RUN NO. 005   FEBRUARY 24, 1972       PAGE  C65
YR FD ORG PG PA CRS EXPD SEQ           ITEM DESCRIPTION              F.O.         UNITS    PCT.      UNIT COST       TOTAL COST   ACT

73 10 209 04 03 140 2521 001
                                                                 41185.00              100  $     1,260.00  $     1,260.00 A 5
          * COURSE TOTAL * 140 * - - - - - - - - - - - - -   $     1,260.00
        **  DEPARTMENT  TOTAL ** FAC.MT.O S * - - - - - -    $     1,260.00
       *** PROGRAM TOTAL *** MAINT.OPER.  - - - - - - - -    $    34,437.06



           *** TOTAL RUN DOLLARS  *** - - - - - - - - - - - -   $   537,618.29          TOTALS FOR   PROGRESS CITY JR. HIGH
           *** INCREASE   $$TOTAL*** - - - - - - - - - - - -
           *** DECREASE   $$TOTAL*** - - - - - - - - - - - -
           *** ADDED      $$TOTAL*** - - - - - - - - - - - -   $   494,338.79
           *** DELETED    $$TOTAL*** - - - - - - - - - - - -
           *** DIFFERENCE $$TOTAL*** - - - - - - - - - - -     $   494,338.79
             * CERT. SAL. $ TOTAL *- - - - - - - - - - - - -   $   448,278.80
             * N-CERT.SAL.$ TOTAL *- - - - - - - - - - - - -   $    41,827.93
             * EMP.BEN.   $ TOTAL *- - - - - - - - - - - - --
             * SUPPLIES   $ TOTAL *- - - - - - - - - - - - --  $    19,734.57
             * MATERIALS  $ TOTAL *- - - - - - - - - - - - --  $    10,821.07
             * REP.&REPL. $ TOTAL *- - - - - - - - - - - - --  $     5,439.60
             * CAP.OUTLAY $ TOTAL *- - - - - - - - - - - - --  $     7,445.12
             * CONT.SERV. $ TOTAL *- - - - - - - - - - - - --  $     3,610.00
             * OTHER COST $ TOTAL *- - - - - - - - - - - - --  $       461.20
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*** TOTAL RUN DOLLARS  *** - GENERAL FUND- - - -   $   537,618.29          TOTALS FOR   DISTRICT
*** INCREASE   $$TOTAL*** - -GENERAL FUND - - -
*** DECREASE   $$TOTAL*** - -GENERAL FUND - - -
*** ADDED      $$TOTAL*** - -GENERAL FUND - - -    $   494,338.79
*** DELETED    $$TOTAL*** - -GENERAL FUND - - -
*** DIFFERENCE $$TOTAL*** - -GENERAL FUND - -      $   494,338.79
  * CERT. SAL. $ TOTAL *- - -GENERAL FUND - - -    $   448,278.80
  * N-CERT.SAL.$ TOTAL *- - -GENERAL FUND - - -    $    41,827.93
  * EMP.BEN.   $ TOTAL *- - -GENERAL FUND - - --
  * SUPPLIES   $ TOTAL *- - -GENERAL FUND - - --   $    19,734.57
  * MATERIALS  $ TOTAL *- - -GENERAL FUND - - --   $    10,821.07
  * REP.&REPL. $ TOTAL *- - -GENERAL FUND - - --   $     5,439.60
  * CAP.OUTLAY $ TOTAL *- - -GENERAL FUND - - --   $     7,445.12
  * CONT.SERV. $ TOTAL *- - -GENERAL FUND - - --   $     3,610.00
  * OTHER COST $ TOTAL *- - -GENERAL FUND - - --   $       461.20
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                                 P R O P O S E D   B U D G E T   I T E M S   D E L E T E   L I S T
* SOC.STU.   02 *      INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  001
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION                   F.D.        UNITS    PCT.      UNIT COST       TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 01 02 133 4110 002  1584 132          TAPE DISPENSER      023  21435.00     1      100  $         5.15  $          5.15   4
73 10 209 01 02 133 4110 003  1754 132       WIRE LETTER TRAYS       27  21435.00     1      100  $         6.10  $          6.10   4
73 10 209 01 02 133 4110 004  1754 132  CORRURGATED PAPER  OL   D GOLD  21435.00     1      100  $         5.60  $          5.60   4
73 10 209 01 02 133 4110 005  1754 132  CORRURGATED PAPER APP  LE GRN  21435.00     1      100  $         5.60  $          5.60   4
73 10 209 01 02 133 4110 007  1584 132     RED PLASTIC LETTERS          21435.00     1      100  $        11.50  $         11.50   4
73 10 209 01 02 133 4110 008  1584 132  WHITE PLASTIC LETTERS    2 IN  21435.00     1      100  $        11.50  $         11.50   4
73 10 209 01 02 133 4110 009  1754 132 CORRURGATED PAPER AZUR  E BLUE  21435.00     1      100  $         5.60  $          5.60   4
73 10 209 01 02 133 4110 010  1584 156 SET 2IN RED PLST LTTRS  PG 174  21435.00     1      100  $        11.50  $         11.50   4
73 10 209 01 02 133 4110 011  1584 156 RL VILT COLOR CORDBUFF    1133  21435.00     1      100  $         5.75  $          5.75   4
73 10 209 01 02 133 4110 013  1754 132   CORRURGATED PAPER NI  LE GRN  21435.00     1      100  $         5.60  $          5.60   4
73 10 209 01 02 133 4110 014  1754 132   CORRURGATED PAPER PR  IMROSE  21435.00     1      100  $         5.60  $          5.60   4
73 10 209 01 02 133 4110 015  1584 156 RL PINK COLOR CORDBUFF    1126  21435.00     1      100  $         5.75  $          5.75   4
73 10 209 01 02 133 4110 016  1584 156 ROLL WH WRAPPING PAPER  36 WDT  21435.00     1      100  $        12.55  $         12.55   4
73 10 209 01 02 133 4110 018  1754 132       CORRURGATED PAPER  ORANGE  21435.00     1      100  $         5.60  $          5.60   4
73 10 209 01 02 133 5190 008            156 CONTG FD NEW PBACK REF MTRLS  21437.00     1      100  $        50.00  $         50.00   4
73 10 209 01 02 133 7110 001         156 UN OF 3 LOC CON ST CRL          70811.03     1      100  $       100.00  $        100.00   4
73 10 209 01 02 133 7120 001  1754 156 CASETTE TAPE FILE                70811.03     1      100  $        52.70  $         52.70   4
          * COURSE TOTAL * 133 * - - - - - - - - - - - - -   $        306.10
73 10 209 01 02 135 4110 001  1584 156         MAP RAIL BY FOOT       74  70811.03    36      100  $          .72  $         25.92   4
          * COURSE TOTAL * 135 * - - - - - - - - - - - - -   $         25.92
73 10 209 01 02 233 4110 006  1584 149 WIRE LETTER TRAYS              60  21435.00     8      100  $         4.80  $         38.40   4
73 10 209 01 02 233 4110 007  1584 149 CORNERPOSTS BUILD UPS        600P  21435.00     6      100  $         2.70  $         16.20   4
73 10 209 01 02 233 4110 008  1584 149 BULLETIN BOARD ROLLS        57088  21435.00     1      100  $         5.65  $          5.65   4
73 10 209 01 02 233 4110 014  1584 149 BULLETIN BOARD ROLLS        57038  21435.00     1      100  $         5.65  $          5.65   4
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                                              PROPOSED BUDGET ITEMS DELETE LIST
* SOC.STU.   02 *      INSTRUCTION       PROGRESS CITY JR. HIGH    DIST--3141            RUN NO. 005   FEBRUARY 24, 1972        PAGE   002
  UPDATE SEQUENCE NO.                    ITEM DESCRIPTION                F.O.        UNITS    PCT.       UNIT COST         TOTAL COST  ACT
YR FD ORG PG PA CRS EXPC SEC

73 10 209 01 02 233 5110 004  1234    151CASNER, S TORY OF AMER NATION  21460.00    5     100  $         4.59  $           22.95   4
73 10 209 01 02 233 5110 006  1234    149 CASNER   STOR OF AM NTN 1962  21460.00   10     100  $         4.59  $           45.90   4
73 10 209 01 02 233 5110 007  1312    149 WILDER   THIS IS AM STOR 1963 21460.00   10     100  $         7.00  $           70.00   4
73 10 209 01 02 233 5240 015  1312    151OVERHEAD  VIS AM HIST, 260395  21452.00    1     100  $        69.00  $           69.00   4
       * COURSE TOTAL * 233 * - - - - - - - - - - - -   $       273.75
73 10 209 01 02 234 5160 003  0890    149             DES MOINES REGISTER  21459.00   25     100  $          .55  $           13.75   4
73 10 209 01 02 234 5190 001  0890    151DES MOINE S REG FOR 40 WEEKS     21459.00    1     100  $        22.00  $           22.00   4
73 10 209 01 02 234 5190 002  1188    151MASON CIT Y GLOBE FOR 40 WEEKS 21459.00    1     100  $        22.00  $           22.00   4
       * COURSE TOTAL * 234 * - - - - - - - - - - - -   $        57.75
73 10 209 01 02 308 4110 001  0426 135 PIN BACK LETTERS 2 IN    A38215   21435.00    1      12  $        10.50  $            1.26   4
73 10 209 01 02 308 4110 002  1584 135 ROLL CORRUGATED PAPER     57128   21435.00    2      12  $         5.75  $            1.38   4
73 10 209 01 02 308 4110 003  0426 135 48IN ROLL WHITE PAPER     A5402   21435.00    1      12  $         4.10  $             .49   4
       * COURSE TOTAL * 308 * - - - - - - - - - - - -   $         3.13
73 10 209 01 02 331 4110 001  0426 135 PIN BACK LETTERS 2 IN    A38215   21435.00    1      50  $        10.50  $            5.25   4
73 10 209 01 02 331 4110 002  0426 135 48IN ROLL WHITE PAPER     A5402   21435.00    1      50  $         4.10  $            2.05   4
73 10 209 01 02 331 4110 003  1584 135 ROLL CORRUGATED PAPER     57128   21435.00    2      50  $         5.75  $            5.75   4
73 10 209 01 02 331 4120 001  0884    135 LIFE STY LE 2000 AD 2 PT FILM 21452.00    1     100  $        30.60  $           30.60   4
73 10 209 01 02 331 5190 001  1188    135             MASON CITY GLOBE GAZ 21437.00    1      50  $        20.00  $           10.00   4
73 10 209 01 02 331 7110 001         135 STUDY CARREL 3 IN UNIT              70811.03    2      50  $       100.00  $          100.00   4
       * COURSE TOTAL * 331 * - - - - - - - - - - - -   $       153.65
73 10 209 01 02 335 4110 001  1584 135 ROLL CORRUGATED PAPER     57128   21435.00    2      38  $         5.75  $            4.37   4
73 10 209 01 02 335 4110 002  0426 135 48IN ROLL WHITE PAPER     A5402   21435.00    1      38  $         4.10  $            1.56   4
73 10 209 01 02 335 4110 003  0426 135 PIN BACK LETTERS 2 IN    A38215   21435.00    1      38  $        10.50  $            3.99   4
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                                        P R O P O S E D   B U D G E T   I T E M S   D E L E T E   L I S T
* SOC.STU.   02 *      INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141                RUN NO. 005    FEBRUARY 24, 1972      PAGE  003
   UPDATE SEQUENCE NO.                    ITEM DESCRIPTION                F.O.          UNITS     PCT.       UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 01 02 335 5190 001  1188    135         MASON CITY GLOBE GAZ 21437.00     1       50  $          20.00  $          10.00    4

73 10 209 01 02 335 7110 001       135 STUDY CARREL 3 IN UNIT          70811.03     2       50  $         100.00  $         100.00    4

        * COURSE TOTAL * 335 * - - - - - - - - - - - - -   $        119.92

      **  DEPARTMENT  TOTAL ** SOC.STU.   * - - - - - -   $        540.22
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(B)

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                                      P R O P O S E D   B U D G E T   I T E M S   D E L E T E   L I S T
* MATH       03 *      INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141               RUN NO. 005    FEBRUARY 24, 1972      PAGE  004
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION                F.O.          UNITS     PCT.      UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 01 03 113 7110 002       170 LN OF 3 LOC CON ST CRL          70811.03     3      100  $         100.00  $         300.00    4

        * COURSE TOTAL * 113 * - - - - - - - - - - - - -   $        300.00

73 10 209 01 03 213 7110 002       138 LN OF 3 LOC CON ST CRL          70811.03     3      100  $         100.00  $         300.00    4

        * COURSE TOTAL * 213 * - - - - - - - - - - - - -   $        300.00

73 10 209 01 03 313 5110 001  2746    154 PETERS   ALG A MOD APP BK 1  21460.00    24      100  $           6.50  $         156.00    4

        * COURSE TOTAL * 313 * - - - - - - - - - - - - -   $        156.00

      **  DEPARTMENT  TOTAL ** MATH       * - - - - - -   $        756.00
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                              P R C P O S E C   B U D G E T   I T E M S   D E L E T E   L I S T
* SCIENCE    04 *     INSTRUCTION     PRCGRESS CITY JR. HIGH    CIST--3141         RUN NC. 005   FEBRUARY 24, 1972      PAGE  CC5
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION               F.O.        UNITS    PCT.      UNIT CCST       TOTAL COST  ACT
YR FD ORG PG PA CRS EXPD SEC

73 10 209 01 04 223 7120 CO1       171 AUDIC VISUAL EQUIPMENT            7C811.C3    1     100  $      149.70  $       149.70   4

73 10 209 01 04 223 7120 002       144 AUDIO VISUAL EQUIPMENT            7C811.03    1     100  $       87.40  $        87.40   4

       * COURSE TOTAL * 223 * - - - - - - - - - - - - -  $       237.10

     **  DEPARTMENT  TOTAL ** SCIENCE    * - - - - - -  $       237.10
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                              P R C P C S E C   B U C G E T   I T E M S   C E L E T E   L I S T
* HCME EC.   08 *     INSTRUCTION     PRCGRESS CITY JR. HIGH    CIST--3141         RUN NC. 005   FEBRUARY 24, 1972      PAGE  006
   UPDATE SEQUENCE NO.                  ITEM DESCRIPTION             - F.C.        UNITS    PCT.      UNIT CCST       TCTAL CCST  ACT
YR FD CRG PG PA CRS EXPC SEC

73 10 209 01 08 362 6280 OC1       157REUPHCLSTER FURNITURE              41811.C3    1     100  $      130.CC  $       130.00   4

       * CCURSE TOTAL * 362 * - - - - - - - - - - - - -  $       130.CO

     **  DEPARTMENT  TCTAL ** HCME EC.   * - - - - - -  $       130.00
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E

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                                   P R O P O S E D   B U D G E T   I T E M S   D E L E T E   L I S T
* IND. ARTS  11 *       INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--5141          RUN NO. 005   FEBRUARY 24, 1972      PAGE  007
   UPDATE SEQUENCE NO.                     ITEM DESCRIPTION                 P.O.          UNITS    PCT.       UNIT COST       TOTAL COST   ACT
YR FD CRG PG FA CRS EXPD SEQ

73 10 209 01 11 362 9100 001  5000 STAND LIST RESCE 9TH GRA*            79920.00     1       40  $    2,200.70  $        880.28   2

       * COURSE TOTAL * 362 * - - - - - - - - - - - - -   $        880.28

      **  DEPARTMENT  TOTAL ** IND. ARTS  * - - - - - -   $        880.28
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                                       P R O P O S E D   B U D G E T   I T E M S   D E L E T E   L I S T
* ART          12 *       INSTRUCTION      PROGRESS CITY JR. HIGH     DIST--3141             FUN NO. 005   FEBRUARY 24, 1972       PAGE  COB
    UPDATE SEQUENCE NO.                    ITEM DESCRIPTION               F.O.            UNITS    PCT.       UNIT COST          TOTAL COST   ALT
YR FD ORG PG FA CRS EXPD SEQ

73 10 209 01 12 171 4100 001  0426 10SSISAL CORD RED          E20220    21422.00     5      100  $          1.20  $            6.00   4
73 10 209 01 12 171 4100 006  0426 10SSISAL CORD ROYAL BLUE   E20220    21422.00     5      100  $          1.20  $            6.00   4
73 10 209 01 12 171 4100 007  0426 10SSISAL CORD TURQUOISE    E20220    21422.00     5      100  $          1.20  $            6.00   4
73 10 209 01 12 171 4100 008  0426 10SSISAL CORD MAGENTA      E20220    21422.00     5      100  $          1.20  $            6.00   4
73 10 209 01 12 171 4100 011  0426 10SSPRAY IRK ICRG IC-ARISE   E4427   21422.00     3      100  $          2.25  $            6.75   4
73 10 209 01 12 171 4100 012  0426 10SSISAL CORD GREEN        E20220    21422.00     5      100  $          1.20  $            6.00   4
73 10 209 01 12 171 4100 013  0426 10SSISAL CORD BLACK        E20220    21422.00     5      100  $          1.20  $            6.00   4
73 10 209 01 12 171 4100 014  0426 10SSISAL CORD YELLOW       E20220    21422.00     5      100  $          1.20  $            6.00   4
73 10 209 01 12 171 4100 015  0426 10SSISAL CORD ORANGE       E20220    21422.00     5      100  $          1.20  $            6.00   4
73 10 209 01 12 171 4100 016  0352 10SCHARCOAL PENCILS        C6601M    21422.00    36      100  $          1.80  $           64.80   4
73 10 209 01 12 171 4100 017  0426 10SFINGER PAINT 3 PER COLR E45039    21422.00    27      100  $          1.00  $           27.00   4
73 10 209 01 12 171 4100 018  0246 10SSHREDDI-MIX                5M5    21422.00     1      100  $          3.95  $            3.95   4
73 10 209 01 12 171 4110 001  0444 15C 1/16"X1/16" BALSA STRI           21422.00     2      100  $          4.00  $            8.00   4
73 10 209 01 12 171 4110 002  0444 15C 1/8"X1/8" BALSA STRIPS           21422.00     4      100  $          4.00  $           16.00   4
73 10 209 01 12 171 4110 003  2308 15C 8M/M ASSORTED BEADS     12450    21422.00     1      100  $          2.90  $            2.90   4
73 10 209 01 12 171 4110 009  0426 15CTISSUE ASSORTMENT         A424    21422.00     7      100  $          1.50  $           10.50   4
73 10 209 01 12 171 4110 010  0426 15CRNG ASSORTED COLORS      E5488    21422.00     4      100  $          1.95  $            7.80   4
73 10 209 01 12 171 4110 011  0426 15CBCOLOR SET OVL HALF PAN  E7722    21422.00    24      100  $           .90  $           21.60   4
73 10 209 01 12 171 4110 012  2308 15C 16M/M ASSORTED BEADS    12452    21422.00     1      100  $          7.50  $            7.50   4
73 10 209 01 12 171 4110 013  2308 15C NATURAL OVAL WOOD BEAD  14023    21422.00     1      100  $          8.40  $            8.40   4
        * COURSE TOTAL * 171 * - - - - - - - - - - - - -   $       233.50
73 10 209 01 12 271 4100 007  0426 10SBURLAP PINK              E5745    21422.00     5      100  $           .50  $            2.50   4
73 10 209 01 12 271 4100 015  0426 10SSPRAY GREEN ENAMEL      E45055    21422.00     2      100  $          1.60  $            3.20   4
73 10 209 01 12 271 4100 016  0426 10SSPRAY BLUE ENAMEL       E45055    21422.00     2      100  $          1.60  $            3.20   4
73 10 209 01 12 271 4100 017  0426 10SSPRAY RED ENAMEL        E45055    21422.00     2      [illegible]  $  [illegible]  $  [illegible]
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* ART        12 A      INSTRUCTION [illegible]
   UPDATE SEQUENCE NO.                     [illegible]
YR FU CRS PG PA CRS EXPD SEQ          ITEM DESCRIPTION                [illegible]        UNITS  [illegible]   [illegible]        TOTAL      ON
                                                                                                             UNIT COST          COST      ACT

73 10 209 01 12 271 4100 018  0426 [illegible]                       [illegible]  21422.00    1    100 $    [illegible] $    [illegible]   4

73 10 209 01 12 271 4100 019  0426 10ECE[illegible] CLR              70565        21422.00    [illegible] 100 $  .95 $      [illegible]   4

73 10 209 01 12 271 4110 004  2372 15C [illegible]                                21422.00    2    [illegible] $   3.95 $     7.90

      * COURSE TOTAL * 271 * - - - - - - - - - - -      $      30.0[illegible]

73 10 209 01 12 371 4100 001  0426 1[illegible]                      82657        214[illegible]  2    100 $     .95 $       1.90   4

73 10 209 01 12 371 4100 002  0426 10BFARL[illegible]                8241         21422.00    [illegible] 100 $  4.00 $     15.8[illegible]   4

73 10 209 01 12 371 4100 014  0426 10ESPRAY [illegible]              645150       21422.00    [illegible] 100 $  [illegible] $  [illegible]   4

73 10 209 01 12 371 4100 016  0132 10FART [illegible]                35.0         21422.00    7    100 $    4.55 $     [illegible]

73 10 209 01 12 371 4100 023  2043 10EPLASTI[illegible] 1            2415         21422.00    [illegible] 100 $  4.15 $     8.30   4

73 10 209 01 12 371 4100 024  2043 10EPLASTI[illegible] 174          2047         21422.00    2    100 $    4.15 $     8.30   4

73 10 209 01 12 371 4100 025  2043 10EPLASTI[illegible] 174          42447        21422.00    [illegible] 100 $  4.15 $     8.30

73 10 209 01 12 371 4110 001  0444 15C WATERCOLOR PAPER              5244         21422.00    200  100 $     .17 $     34.00   4

73 10 209 01 12 371 4110 004  2372 15C [illegible] BY THE YARD                    21422.00    10   100 $     .49 $     14.70   4

73 10 209 01 12 371 4110 013  0426 15CPELIKAN INK VERMILION          27047        21422.00    1    100 $    3.30 $     3.30   4

73 10 209 01 12 371 4110 014  0426 15C PELIKAN INK YELLOW            67047        21422.00    1    100 $    3.30 $     3.30   4

73 10 209 01 12 371 4110 015  0426 15CPELIKAN INK ULTRAMARINE        47047        21422.00    1    100 $    3.30 $     3.30   4

73 10 209 01 12 371 4110 016  2308 15C MAT CUTTER                    1023         21422.00    [illegible] 100 $  45.00 $   [illegible]   4

73 10 209 01 12 371 4110 017  0444 15C WATERCOLOR PAPER              4320         21422.00    200  100 $     .25 $     45.00   4

      * COURSE TOTAL * 371 * - - - - - - - - - - -      $      167.52

   **  DEPARTMENT  TOTAL BY ART        * - - - - - -    $      251.5[illegible]
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                                         P R O P O S E D   B U D G E T   I T E M S   D E L E T E   L I S T
* VOC MUSIC  13 *        INSTRUCTION       PROGRESS CITY JR. HIGH    LIST--3141          RUN NO. 00     FEBRUARY 24, 1972      PAGE  410
   UPDATE SEQUENCE NO.                       ITEM DESCRIPTION              P.O.         QUAN    PCT.        UNIT COST        TOTAL COST   ACT
YR FD ORG PG FA CRS EXPE SEC

73 10 209 01 13 531 6130 001  0508 173 BRUNSWICK SEAT ANDBACK  KR161   41811.03   10     100 $         15.00  $         150.00   4
73 10 209 01 13 531 7110 001  2242 173 ELECTRIC AUTOHARP      RE1550   70811.03    1     100 $         75.00  $          75.00   4
73 10 209 01 13 531 7110 002  2242 173 HOHNER ORGANA 12       RB300c   70811.03    1     100 $        129.00  $         129.00   4
73 10 209 01 13 531 7110 003  2514 173 WURLITZER ELECTRONIC      214   70811.03    1     100 $        500.00  $         500.00   4
73 10 209 01 13 531 7110 004       173 STUDIO PIANO                    70811.03    1     100 $        800.00  $         800.00   4
        * COURSE TOTAL * 531 * - - - - - - - - - - - - -  $     1,654.00
      **  DEPARTMENT  TOTAL ** VOC MUSIC  * - - - - - -  $     1,654.00
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                              P R O P O S E D   B U D G E T   I T E M S   D E L E T E   L I S T
* PHYS. ED.  15 *      INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005    FEBRUARY 24, 1972      PAGE  011
   UPDATE SEQUENCE NO.                     ITEM DESCRIPTION              F.O.          UNITS   PCT.       UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 01 15 500 4110 008  0864 137   TIMER                 GRALAB   21433.00      1      100  $        30.00  $          30.00   4

73 10 209 01 15 500 7110 022  1922 139 UNIVERSALGLADIATOR 70            70811.03      1      100  $     2,250.00  $       2,250.00   4

73 10 209 01 15 500 7110 023  0100 139HIGH BAR WALL MOUNTED      WCB6   70811.03      1      100  $        99.00  $          99.00   4

        * COURSE TOTAL * 500 * - - - - - - - - - - - -   $      2,379.00

      **  DEPARTMENT  TOTAL ** PHYS. ED.  * - - - - - -   $      2,379.00
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                              P R O P O S E D   B U D G E T   I T E M S   D E L E T E   L I S T
* LANG.ARTS  30 *      INSTRUCTION     PROGRESS CITY JR. HIGH    DIST--3141          RUN NO. 005    FEBRUARY 24, 1972      PAGE  012
   UPDATE SEQUENCE NO.                     ITEM DESCRIPTION              F.O.          UNITS   PCT.       UNIT COST        TOTAL COST   ACT
YR FD ORG PG PA CRS EXPD SEQ

73 10 209 01 30 103 5130 001  0890    133 DES MOIN ES REGISTER          21470.00      1      100  $        32.00  $          32.00   4

73 10 209 01 30 103 5130 002  1188    133 M C GLOB E GAZETTE            21470.00      1      100  $        20.00  $          20.00   4

73 10 209 01 30 103 5130 003  0890    142 DES MOIN ES REGISTER          21470.00      1      100  $        32.00  $          32.00   4

73 10 209 01 30 103 5130 004  1188    142 MC GLOBE  GAZETTE             21470.00      1      100  $        20.00  $          20.00   4

73 10 209 01 30 103 5160 001  2328    133 SCHOLAST IC SCOPE             21437.00      5      100  $         1.75  $           8.75   4

        * COURSE TOTAL * 103 * - - - - - - - - - - - -   $        112.75

73 10 209 01 30 105 5130 001  0890    133 DES MOIN ES REGISTER          21470.00      1      100  $        32.00  $          32.00   4

        * COURSE TOTAL * 105 * - - - - - - - - - - - -   $         32.00

73 10 209 01 30 203 5130 001  1188    142 MC GLOBE  GAZETTE             21470.00      1      100  $        20.00  $          20.00   4

73 10 209 01 30 203 5130 002  0890    142 DES MOIN ES REGISTER          21470.00      1      100  $        32.00  $          32.00   4

        * COURSE TOTAL * 203 * - - - - - - - - - - - -   $         52.00

      **  DEPARTMENT  TOTAL ** LANG.ARTS  * - - - - - -   $        196.75
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                                    P R C P C S E C   B U C G E T   I T E M S   C E L E T E   L I S T
* SPEC. ED.  40 *      INSTRUCTION      FRCGRESS CITY JR. HIGH     CIST--3141           RLA NC. 005   FEBRUARY 24, 1972      PAGE  C13
   UPDATE SEQUENCE NO.                ITEM DESCRIPTION                     F.O.       UNITS    PCT.     UNIT CCST        TOTAL CCST  ACT
YR FD ORG PG PA CRS EXPC SEQ

73 10 209 01 40 700 500C 001
                                             UNKNCWN EXPENSES      24437.CC     1       10C  $         50.CC  $           50.0C   4

73 10 209 01 40 700 5120 005  2496    155WEA PREVC GCOD LIT S REACERCIC 24437.0C     1       100  $         59.5C  $           59.5C   4

73 10 209 01 40 700 5210 0C1  0609    155         RECORD LIB    677653 24437.CC     1       100  $         54.5C  $           54.5C   4

          * CCURSE TOTAL * 700 * - - - - - - - - - - - - -   $        164.00

        **  DEPARTMENT  TCTAL ** SPEC. EC.  * - - - - - -   $        164.00

       *** PRCGRAM TOTAL *** INSTRLCTICN  - - - - - - - -   $      7,788.91
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                                    P R C P C S E C   B U C G E T   I T E M S   C E L E T E   L I S T
* PL.PERS.SV C1 *       SUP. INSTR.      PRCGRESS CITY JR. HIGH     CIST--3141           RLA NC. 005   FEBRUARY 24. 1972      PAGE  C14
   UPDATE SEQUENCE NO.                ITEM DESCRIPTION                     F.O.       UNITS    PCT.     UNIT CCST        TOTAL CCST  ACT
YR FD ORG PG PA CRS EXPC SEQ

73 10 209 02 C1 250 519C 0C1  0680              169 MAIL TC BE SELECTED  21450.CC     1       10C  $        100.CC  $          100.00   4

          * CCURSE TOTAL * 250 * - - - - - - - - - - - - - -   $        10C.00

73 10 209 02 01 350 5270 0C1  0868              136 60 MIN VTR TAPES     21450.0C    10       100  $         39.CC  $          390.00   4

          * CCURSE TOTAL * 350 * - - - - - - - - - - - - - -   $        390.CC

73 10 209 02 01 504 5120 001  1218              169 JCB ATT. SERIES      21450.0C     1       100  $        140.CC  $          140.0C   4

73 10 209 02 C1 504 512C 002  1218    169             JCB ATTITUDE SERIES  21450.0C     1       100  $        140.C0  $          140.0C   4

73 10 209 02 C1 504 713C 0C1  2524 169 KRUGER CCNFERENC TABLE   1 140   21450.CC     1       100  $        290.CC  $          290.00   4

          * CCURSE TOTAL * 504 * - - - - - - - - - - - - - -   $        570.C0

        **  DEPARTMENT  TCTAL ** PL.PERS.SV * - - - - - -   $      1,06C.00

       *** PRCGRAM TOTAL *** SUP. INSTR.  - - - - - - - -   $      1,06C.C0
```

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```
                                    P R O P O S E D   B U D G E T   I T E M S   D E L E T E   L I S T
* SCH.OFFICE 50 *     ADMINISTRAT.   PROGRESS CITY JR. HIGH    DIST--3141              RUN NO. 005   FEBRUARY 24, 1972      PAGE  015
   UPDATE SEQUENCE NO.                ITEM DESCRIPTION                  F.O.        UNITS    PCT.      UNIT COST       TOTAL COST  AGT
YR FD ORG PG PA CRS EXPD SEC

73 10 209 03 50 949 7110 001       FURNITURE
                                                                   70811.03    1      100  $       45.00  $         45.00   4
        * COURSE TOTAL * 949 * - - - - - - - - - - - - -   $       45.00
73 10 209 03 50 989 7110 001       FURNITURE
                                                                   70811.03    1      100  $      550.00  $        550.00   4
        * COURSE TOTAL * 989 * - - - - - - - - - - - - -   $      550.00
73 10 209 03 50 990 7130 001  2870 130 ADDING MACHINE     17   83 54  70811.03    1      100  $      143.00  $        143.00   5
73 10 209 03 50 990 7130 004  1264 130 ELECTRIC DUPLICATOR
                                                                   70811.03    1      100  $      422.00  $        422.00   5
        * COURSE TOTAL * 990 * - - - - - - - - - - - - -   $      565.00
      **  DEPARTMENT  TOTAL ** SCH.OFFICE * - - - - - -   $    1,160.00
     *** PROGRAM TOTAL *** ADMINISTRAT. - - - - - - - -   $    1,160.00
```

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```
*** DELETED     $$TOTAL*** - -GENERAL FUND - - -    $    10,008.91          TOTALS FOR   DISTRICT
  * CERT. SAL. $ TOTAL *- -GENERAL FUND - - - -
  * N-CERT.SAL.$ TOTAL *- -GENERAL FUND - - - -
  * EMP.BEN.   $ TOTAL *- -GENERAL FUND - - - --
  * SUPPLIES   $ TOTAL *- -GENERAL FUND - - - --   $       733.48
  * MATERIALS  $ TOTAL *- -GENERAL FUND - - - --   $     1,622.35
  * REP.&REPL. $ TOTAL *- -GENERAL FUND - - - --   $       280.00
  * CAP.OUTLAY $ TOTAL *- -GENERAL FUND - - - --   $     6,492.80
  * CONT.SERV. $ TOTAL *- -GENERAL FUND - - - --
  * OTHER COST $ TOTAL *- -GENERAL FUND - - - --   $       880.28
```

(0)

```
*** DELETED    $STOTAL*** - - - - - - - - - - - -   $    10,008.91          TOTALS FOR   PROGRESS CITY JR. HIGH
  * CERT. SAL. $ TOTAL *- - - - - - - - - - - - -
  * N-CERT.SAL.$ TOTAL *- - - - - - - - - - - - -
  * EMP.BEN.   $ TOTAL *- - - - - - - - - - - - --
  * SUPPLIES   $ TOTAL *- - - - - - - - - - - - --  $       733.48
  * MATERIALS  $ TOTAL *- - - - - - - - - - - - --  $     1,622.35
  * REP.&REPL. $ TOTAL *- - - - - - - - - - - - --  $       280.00
  * CAP.OUTLAY $ TOTAL *- - - - - - - - - - - - --  $     6,452.80
  * CONT.SERV. $ TOTAL *- - - - - - - - - - - - --
  * OTHER COST $ TOTAL *- - - - - - - - - - - - --  $       880.28
```

SCHEDULE [illegible] MASON CITY SCHOOL DIST. - 01

DETAILED COMPARATIVE BUDGET 1972-1973

GENERAL FUND 10000-79999 ADMINISTRATION 10000-19999 BOARD OF EDUC. 10000-10999

		EXPENDED 1971-1972	BUDGETED 1971-1972	PROPOSED BUDGET 1972-1973
10101.00	SCHOOL DISTRICT SECRETARY	$ .00	$ .00	$ .00
10119.00	SECRETARIAL AND CLERICAL ASSTS	.00	43,700.00	.00
10331.00	AUDITS	.00	1,600.00	.00
10332.00	LEGAL SERVICE	.00	1,500.00	.00
10402.00	GENERAL BOARD OF ED. EXPENSES	.00	3,200.00	.00
10404.00	ELECTION EXPENSES	.00	1,250.00	.00
10406.00	CENSUS EXPENSES	.00	.00	.00
10408.00	PUBLICATIONS EXPENSES	.00	1,750.00	.00
10594.00	MILEAGE ALLOWANCE	.00	65.00	.00
10595.00	TRAVEL EXPENSE AND DUES	.00	2,000.00	.00
	TOTAL BOARD OF EDUCATION	$ .00	$ 55,065.00	$ .00

ADMINISTRATION 10000-19999 ADMIN., SUPERTDNT. 11000-11999

		EXPENDED 1971-1972	BUDGETED 1971-1972	PROPOSED BUDGET 1972-1973
11112.00	SUPERINTENDENT & ASSTS.	$ .00	$ 52,600.00	$ .00
11119.00	SECRETARIAL AND CLER. ASSISTS.	.00	23,490.00	.00
11224.00	CURRICULUM LIBRARAY MATERIAL	.00	1,400.00	.00
11334.00	CONSULTATIVE SERVICES	.00	2,900.00	.00
11326.00	CURR.DEV., SERVICES (E.C.-R&D)	.00	5,300.00	500.00
11402.00	CURRICULUM DEV.,MATERIALS	.00	1,500.00	.00
11409.00	PROFESSIONAL BOOKS AND PERIOD.	.00	650.00	.00
11410.00	GENERAL EX., ADMINISTRATION	.00	3,200.00	3,000.00
11411.00	PUBLIC SCHOOL DIRECTORY	.00	650.00	.00
11412.00	MEMBERSHIP DUES & RESEARCH	.00	3,200.00	163.50
11594.00	MILEAGE ALLOWANCE	.00	400.00	.00
11595.00	TRAVEL EXPENSE AND DUES	.00	1,500.00	.00
11595.01	TRAVEL EXPENSE-OTHER	.00	1,000.00	.00
11599.00	POSTAGE	.00	500.00	.00
	TOTAL ADMIN.SUPERINTENDNT	$ .00	$ 98,290.00	$ 3,663.50

```
SCHEDULE 24                 MASON CITY SCHOOL DIST.       MAY 23, 1972            - 01 -

DETAILED ANALYSIS OF BUILDINGS, GROUNDS AND
 SERVICE SYSTEMS MAINTENANCE 1972-1973

41390.00   MAINTENANCE HTG.&VENT.SYSTEMS
--------   ---------------------------

            SENIOR HIGH SCHOOL  HEATING AND VENTILATING       $  200.00
            JOHN ADAMS JR.HIGH  HEATING AND VENTILATION          200.00
            MONROE JR.HIGH      HEATING AND VENTILATION         3000.00
            ROOSEVELT JR.HIGH   HEATING AND VENTILATING          350.00
            GARFIELD ELEM.      HEATING AND VENTILATION          150.00
            GRANT ELEM.         HEATING AND VENTILATION          150.00
            HARDING ELEM.       HEATING AND VENTILATION          250.00
            HOOVER ELEM.        HEATING AND VENTILATION          200.00
            JEFFERSON ELEM.     HEATING AND VENTILATION          200.00
            LINCOLN ELEM.       HEATING AND VENTILATION          100.00
            CENTRAL HEIGHTS EL  HEATING AND VENTILATION          100.00
            MADISON ELEM.       HEATING AND VENTILATION          400.00
            MCKINLEY ELEM.      HEATING AND VENTILATION          250.00
            ROOSEVELT ELEM.     HEATING AND VENTILATION          150.00
            WASHINGTON ELEM.    HEATING AND VENTILATION          250.00
            WILSON ELEM.        HEATING AND VENTILATION          100.00
            SYSTEM WIDE (ALL L  HEATING AND VENTILATING          350.00
            OLD HIGH SCHOOL     HEATING AND VENTILATIN           200.00
            MUSIC HALL          HEATING AND VENTILATING          200.00
            STADIUM             HEATING AND VENTILATING          100.00
                                HEATING AND VENTILATING       $  350.00   $ 7250.00

41391.00   MAINTENANCE OF PLUMBING
--------   ---------------------------

            MEM. BLDG.          PLUMBING                      $  250.00
            SCHOOL NO NAME      PLUMBING                         250.00
            MONROE JR.HIGH      PLUMBING                         350.00
            ROOSEVELT JR.HIGH   PLUMBING                         100.00
            GARFIELD ELEM.      PLUMBING                         100.00
            GRANT ELEM.         PLUMBING                         150.00
            HARDING ELEM.       PLUMBING                         200.00
            HOOVER ELEM.        PLUMBING                         150.00
            JEFFERSON ELEM.     PLUMBING                         100.00
            LINCOLN ELEM.       PLUMBING                       [illegible]
            CENTRAL HEIGHTS EL  PLUMBING
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SCHEDULE 25                    MASON CITY SCHOOL DIST.       MAY 18, 1972

DETAILED ANALYSIS OF REPAIRS AND REPLACEMENT
OF INSTRUCTIONAL EQUIPMENT        1972-1973

41393.03   AUDIOVISUAL OPERATIONAL MAINS.
--------   ----------------------------

ED.TECH.   SYSTEM WIDE (ALL L  SCREW SWAC                   5    1.00
                               FOOT RUBBER                       2.10
                               SPRING BRAKE                      1.09
                                     PROFESSIONAL E            20[illegible]
                               SPRING REEL ARM PLUNGER            .75
                               BRACKET REEL ARM LOCK             1.08
                               RING RETAINING                    2.40
                               SCREW SWAG                        [illegible]
                               SCREW SWAG                        [illegible]
                               KNOB ASSEMBLY FOCUS .             4.05
                               WICK CAN WIPER                    5.60
                               WIPER FELT                        5.60
                               SPRING EXTENSION                  [illegible].95
                               WASHER LOCK                       [illegible]
                               SCREW PAN HEAD                    2.40
                               LEVER ASSY                        2.00
                               SCREW TRUSSHEAD                   1.00
                               COLLAR LOCKING                    8.60
                               SCREW BINDING                     [illegible]
                               WASHER BRONZ                      [illegible]
                               SWITCH ROTARY                     8.95
                               NYLON WASHER                      [illegible].20
                               SET SCREW                         [illegible].60
                               SCREW SWAC                        [illegible]
                               SCREW SWAG                        1.60
                               NUT GROUNDING SCREW                .20
                               SCREW                             [illegible]
                               SCREW BINDING                     [illegible]
                               DISC LOCKING FRONT ARM            [illegible]
                               SPROCKET ASSY TAKE UP            41.75
                               SCREW SWAC                        1.60
                               BELT FLAT                        14.[illegible]
                               WASHER LOCK                       2.00
                               SCREW                             [illegible]
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S C H E D U L E   2 6            MASON CITY SCHOOL DIST.       MAY 23, 1972            - 0 1 -

D E T A I L E D   A N A L Y S I S   O F   C A P I T A L   O U T L A Y


70810.00   NEW EQUIPMENT FOR ADMIN.
--------   ----------------------------

70811.02   NEW INST.EQUIP. FOR HIGH SCH.
--------   ----------------------------

FOR.LANG.    SENIOR HIGH SCHOOL  STD FURNITURE LIST FORG L.      $     60.00
SOC.STU.                         STD FURNITURE SOC.STD                508.50
MATH                             STD FURNITURE MATH                   900.00
                                 ACME VISIBLE RECORDS INC              40.00
SCIENCE                          073 CENCO ORDERING FORM               16.00
                                 073 SIX RANGE METER                   80.00
                                 073 6INCH DYNASCOPE TELES$           199.95
                                 003 D-FRAME AQUATIC NOT  2            10.25
                                 003 EVOLUTION OF MAN     7            40.00
                                 088 CENCO ORDERING FORM               19.95
                                 003 CENCO EQUIP FORM                  28.85
                                 003 CAUTION LABEL DISPENSO            18.50
                                 003  COAT                             10.00
                                 003  INTERVAL TIMER                   11.20
                                 061 ATOMIC ORBITAL MODELS             36.50
                                 061 ATOMIC ORBITAL MODELS             22.05
                                 061 ATOMIC ORBITAL MODELS             43.20
                                 092 OFF FURN SUPPLY LIST              50.00
                                 003 OFF FURN SUPPLY LIST              96.00
                                 092 CENCO LIST                        49.55
                                 044 OFF FURN SUPPLY LIST               8.00
                                 092 CULTURE DISH 8 INCH              119.22
                                 075 CARBOY 2 GAL SPIGOT               23.80
                                 044 CENCO EQUIP FORM                  57.40
                                 031 OFF FURN SUPPLY LIST              90.00
                                 075 WATER ANALYSIS KIT $             275.00
                                 092 CULTURE DISH 8 INCH               59.61
                                 039 OFF FURN SUPPLY LIST              60.00
                                 061 OFF FURN SUPPLY LIST             120.00
                                 061 LENS 4-INCH F2.8 $                28.00
                                 061 80-SLIDE TRAY $                    5.00
                                 061 FILM-STRIP PROJ                  [illegible]
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V

STAFF TRACT OF MIS
CERTIFICATED PERSONNEL

An integral part of the educational Management Information System under development is the certificated personnel involved in the learning experiences of students. Historically, there has developed an exactness in the gathering of data related to certificated personnel. These data have been used by state departments of education to develop necessary statistics to show the type of teaching personnel in the state, the costs of instruction in the state, and the comparative measures between states. School districts and school buildings use personnel data for similar purposes, but at their own respective levels of education.

The growing complexities of education create the necessity and urgency of making more educational decisions at the building level. One type of data necessary in aiding decision-making is that on certificated personnel. A problem is all of the data required usually are not available at any one site. Desired data may be located within the state department, at two or more locations in a central administration complex, and at the building level.

The multiplicity of certificated personnel data sources and the need to make administrative decisions based upon relevant facts creates at least two problems for the principal at the building level:

1. What procedure does the principal use to collect and compile certificated personnel data into a useful form for decision-making?

2. What does the principal relate the certificated personnel data to so he can make educational decisions?

The first problem can be solved through data processing techniques. Various modifications of this procedure have already been developed to a high degree and are used by many schools to handle the large amount of paper work and calculations necessary to administer educational enterprises.

The second problem is not as easily resolved. The school administrator can use personnel data to determine overall costs of personnel to the school district. He can determine items such as median age, sex, number of college credits, and years of teaching experience. It is difficult for any school administrator to use only this type of information in order to make the sound educational decisions that are necessary today and in the more complex educational situations of tomorrow. To aid the principal in making educational decisions using certificated personnel data, it will be necessary for him to relate it to the learning environment in his building. The learning environment is determined by the curriculum students, teacher, space, and time.

In order to provide decision-makers with pertinent information on certificated personnel showing the interrelationships of other resources, it is necessary to collect data from the four sources identified below. After collection, the data is incorporated into the Management Information System data bank which is used to generate four output documents to aid in decision-making.

The four sources of information are:

1. The School Master Schedule
2. The Iowa Professional School Employees Data Sheet (IPSEDS)
3. The Teacher Salary Support Program form
4. The district overhead cost for each certificated employee.

The four output documents provided are:

1. Teacher Salary Utilization By Program
2. Summary of Teacher Utilization By Program Area
3. Distribution of Teacher Salaries By Program Area
4. Summary of Teacher Salary Distribution By Program Area.

INPUT SOURCES

The computer generated School Master Schedule is the main input document, since it reflects the educational program of the school. The master schedule provides information describing the educational program utilization of students, teachers, space and time. All input is related to it to provide output.

The School Master Schedule provides the following data necessary to this tract:

1. The Program Area of each course-phase
2. Course-Phase
3. Time scheduled for each course-phase
4. Number of students in each course-phase
5. The percent of teacher instructional time
6. Percent of teacher time spent in coordination and planning
7. Teacher name
8. Teacher identification number.

The Iowa Professional School Employee Data Sheet (IPSEDS) is a form used by the Iowa Department of Public Instruction to collect data about each professional employee in the state. This form was originally developed by the Iowa Educational Information Center and then revised by the Department of Public Instruction in 1970. The form currently being used is shown as Figure 4. The IPSEDS form provides the total salary each certificated employee will receive during the current contract period and demographic data about each employee. After the professional employee has once completed the form, it is automatically updated, verified, and modified each year by the employee.

The Teacher Salaries for Support Programs form is used to gather salary information for program areas supporting the educational program. Supporting programs are not provided for in the Master School Schedule. Examples of support programs are administration, guidance, and athletics.

The information required is provided by the central business office on the form presented in Figure 5. The information required to complete the form is teacher identification number, teacher name, program area and the employee's salary allocated to the program. Space is available for four support programs for each employee.

The contracted salary shown on the IPSEDS form does not provide the total contracted salary cost to the school district for each certificated personnel. In order to determine the actual total contracted salary cost it is necessary to obtain the overhead salary cost for each employee. This cost is provided by the business office; it includes social security, state retirement, insurance costs, and any other fringe benefit costs. The overhead salary cost is a constant dollar amount for each employee.

▼

STATE OF IOWA DEPARTMENT OF PUBLIC INSTRUCTION

IOWA PROFESSIONAL SCHOOL EMPLOYEES DATA SHEET

☐

CO. NO.	DIST. NO.	HOME SCHOOL	SOCIAL SECURITY NUMBER	FOLDER NUMBER

CONTRACT SALARY	CONTRACT DAYS	CONTRACT TYPE	CONTRACT POSITION	FOR D.P.I. USE ONLY
		1 FULL 2 PART		

NAME LAST, FIRST, MAIDEN OR MIDDLE	BIRTH YEAR

[illegible] EXPER.		RACE	SEX
	TOTAL		
		1. AMERICAN INDIAN 2. NEGRO 3. ORIENTAL 4. SPANISH SURNAME 5. CAUCASIAN 6. OTHER	1. MALE 2. FEMALE

DECLARED MAJORS		HIGHEST DEGREE	YEAR REC'D
UNDERGRADUATE	GRADUATE		
		0 NONE A ASSOCIATE 1 BACHELOR 2 MASTER 3 SPECIALIST 5 DOCTOR	
INSTITUTION GRANTING HIGHEST DEGREE			TOTAL SEM. HRS

ASSIGNMENT NAME	ASSIGN CODE	GRADES SERVED	
		CIRCLE ALL GRADES SERVED FOR EACH ASSIGNMENT THIS YEAR	
		PK K UNGR CLASS 1 2 3 4 5 6 7 8 9 10 11 12 SPEC EDUC AREA SCH ADULT EDUC	50
		CIRCLE ALL GRADES SERVED FOR EACH ASSIGNMENT THIS YEAR	
		PK K UNGR CLASS 1 2 3 4 5 6 7 8 9 10 11 12 SPEC EDUC AREA SCH ADULT EDUC	51
		CIRCLE ALL GRADES SERVED FOR EACH ASSIGNMENT THIS YEAR	
		PK K UNGR CLASS 1 2 3 4 5 6 7 8 9 10 11 12 SPEC EDUC AREA SCH ADULT EDUC	52
		CIRCLE ALL GRADES SERVED FOR EACH ASSIGNMENT THIS YEAR	
		PK K UNGR CLASS 1 2 3 4 5 6 7 8 9 10 11 12 SPEC EDUC AREA SCH ADULT EDUC	53
		CIRCLE ALL GRADES SERVED FOR EACH ASSIGNMENT THIS YEAR	
		PK K UNGR CLASS 1 2 3 4 5 6 7 8 9 10 11 12 SPEC EDUC AREA SCH ADULT EDUC	54
		CIRCLE ALL GRADES SERVED FOR EACH ASSIGNMENT THIS YEAR	
		PK K UNGR CLASS 1 2 3 4 5 6 7 8 9 10 11 12 SPEC EDUC AREA SCH ADULT EDUC	55
		CIRCLE ALL GRADES SERVED FOR EACH ASSIGNMENT THIS YEAR	
		PK K UNGR CLASS 1 2 3 4 5 6 7 8 9 10 11 12 SPEC EDUC AREA SCH ADULT EDUC	56
		CIRCLE ALL GRADES SERVED FOR EACH ASSIGNMENT THIS YEAR	
		PK K UNGR CLASS 1 2 3 4 5 6 7 8 9 10 11 12 SPEC EDUC AREA SCH ADULT EDUC	57
		CIRCLE ALL GRADES SERVED FOR EACH ASSIGNMENT THIS YEAR	
		PK K UNGR CLASS 1 2 3 4 5 6 7 8 9 10 11 12 SPEC EDUC AREA SCH ADULT EDUC	58
		CIRCLE ALL GRADES SERVED FOR EACH ASSIGNMENT THIS YEAR	
		PK K UNGR CLASS 1 2 3 4 5 6 7 8 9 10 11 12 SPEC EDUC AREA SCH ADULT EDUC	59

DISTRIBUTION OF FORMS

WHITE COPY	- DEPARTMENT OF PUBLIC INSTRUCTIONS
PINK COPY	- COUNTY SUPERINTENDENT
YELLOW COPY	- PRINCIPAL OR DEAN
BLUE COPY	- RETAIN FOR YOUR PERSONAL RECORDS

THE ABOVE DATA IS TRUE, COMPLETE, AND CORRECT TO MY KNOWLEDGE.

SIGNATURE ______________________

TEACHERS SALARY FOR SUPPORT PROGRAMS

ID	Teacher Name	Program	Salary	Program	Salary	Program	Salary	Program	Sala

OUTPUT DOCUMENTS

The data collected from the four input fources are incorporated into the MIS computer data bank which is used to generate the four output documents. A description and example of each of the four output documents is presented on the following pages. The data is related to the Master School Schedule generated by the Stanford School Scheduling System (SSSS). The schedule represents the educational program and costs for one semester.

TEACHERS' SALARY UTILIZATION

The printouts which follow were the first step in the development of cost determination for departments (program areas) and courses. Here, only the teachers' salaries, the major cost item, is included. Ultimately all costs related to the teaching of a course must be included. This is done in the program-oriented budgeting and financial accounting system of the Finance Tract.

Basically the Stanford School Scheduling System is used to distribute teachers' salaries to courses based on the time of scheduled instruction. However, it must be remembered that the flexible-modular schedule is designed to provide a major proportion of the time during the school day which is unscheduled. During unscheduled time of students and teachers, important instructional activities take place. These activities include independent study, individual student-teacher conferences, small group discussions, open laboratory, teacher preparation, etc.

```
DISTRICT 9999              T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
BUILDING  999    SCHOOL NAME PROGRESS CITY HIGH SCHOOL                              71-72 2ND SEM                  DATE MARCH 2, 1972
                                                                                                                          PAGE NO   1
PROGRAM AREA LANG. ARTS    ASSIGNED NO. 01

                       ------------INSTRUCTIONAL CONTACT------------   ------------TEACHER COSTS-----------------     ------CONTACT COSTS---->
  CRS                      TOT   NO    NO   PUPIL   NO  CONTACT                  EXT          SALARY   COST OF       PER    ---PER PUPIL--->
   NO  CRSE-PHASE  PPM MPC MODS SECS PUPILS  MODS TCHRS PER CNT        SALARY CMP     OVHD   + OVHD   CONTACT       PUPIL   PER MOD  PER MIN

 21003 FU SPEECH    2  02    4    1    10      40    1    2.56        $6,945            $0   $6,945      $177      $17.78     $4.44    $0.30
 22003 FU SPEECH    3  04   12    1     9     108    1    7.69        $6,945            $0   $6,945      $534      $59.34     $4.95    $0.33
 **003 CRS TOTALS           16    2    10     148    1   10.26                                            $711      $71.19     $4.81    $0.32

 31005 SPEECH       3  01    3    1     6      18    1    1.92        $6,945            $0   $6,945      $133      $22.22     $7.41    $0.49
 32005 SPEECH       2  02    4    1     6      24    1    2.56        $6,945            $0   $6,945      $177      $29.63     $7.41    $0.49
 33005 SPEECH       1  01    1    1     6       6    1    0.64        $6,945            $0   $6,945       $44       $7.41     $7.41    $0.49
 **005 CRS TOTALS            8    3     6      48    1    5.13                                            $355      $59.26     $7.41    $0.49

 21011 DRAMA W      3  02    6    3    41     246    2    3.85        $4,848            $0   $4,848      $186       $4.55     $0.76    $0.05
 22011 DRAMA W      4  03   12    3    43     516    1    7.69       $14,544            $0  $14,544    $1,119      $26.01     $2.17    $0.14
 **011 CRS TOTALS           18    6    43     762    2   11.54                                          $1,305      $30.35     $1.71    $0.11

 11021 READ LAB     3  02    6   18   265   1,590    1    3.85       $99,504            $0  $99,504    $3,830      $14.46     $2.41    $0.16
 **021 CRS TOTALS            6   18   265   1,590    1    3.85                                          $3,830      $14.46     $2.41    $0.16

 11024 RHETORIC     3  05   15    8   422   6,330    5    9.62      $141,701            $0 $141,701   $13,631      $32.30     $2.15    $0.14
 **024 CRS TOTALS           15    8   422   6,330    5    9.62                                         $13,631      $32.30     $2.15    $0.14

 31026 ENGLISH 10   2  01    2    1   122     244    3    1.28       $14,291            $0  $14,291      $182       $1.50     $0.75    $0.05
 32026 ENGLISH 10   3  03    9   12   128   1,152    2    5.77       $44,076            $0  $44,076    $2,543      $19.87     $2.21    $0.15
 33026 ENGLISH 10   3  02    6   13   129     774    2    3.85       $83,340            $0  $83,340    $3,208      $24.87     $4.15    $0.28
 **026 CRS TOTALS           17   26   129   2,170    4   10.90                                          $5,934      $46.01     $2.73    $0.18

 21031 COMP         3  03    9   15   160   1,440    4    5.77       $62,169            $0  $62,169    $3,587      $22.42     $2.49    $0.17
 22031 COMP         3  01    3   29   160     480    6    1.92      $111,675            $0 $111,675    $2,144      $13.40     $4.47    $0.30
 **031 CRS TOTALS           12   44   160   1,920    6    7.69                                          $5,731      $35.82     $2.99    $0.20

 11033 ADV ST COM   3  03    9    1     4      36    1    5.77        $4,953            $0   $4,953      $285      $71.45     $7.94    $0.53
 **033 CRS TOTALS            9    1     4      36    1    5.77                                            $285      $71.45     $7.94    $0.53

 21035 C WRIT       2  01    2    1    73     146    1    1.28        $3,965            $0   $3,965       $50       $0.70     $0.35    $0.02
 22035 C WRIT       3  03    9    6    78     702    1    5.77       $23,790            $0  $23,790    $1,372      $17.60     $1.96    $0.13
 **035 CRS TOTALS           11    7    76     848    1    7.05                                          $1,423      $18.25     $1.68    $0.11

 31038 CONV COMP    2  01    2    1    73     146    2    1.28        $7,748            $0   $7,748       $99       $1.36     $0.68    $0.05
 32038 CONV COMP    3  03    9    7    75     675    2    5.77       $27,392            $0  $27,392    $1,580      $21.07     $2.34    $0.16
 33038 CONV COMP    3  01    3    7    75     225    2    1.92       $27,392            $0  $27,392      $525       $7.01     $2.34    $0.16
 **038 CRS TOTALS           14   15    75   1,046    3    8.97                                          $2,205      $29.41     $2.11    $0.14

 11041 IND READ     4  03   12    6    52     624    2    7.69       $24,339            $0  $24,339    $1,871      $35.99     $3.00    $0.20
 **041 CRS TOTALS           12    6    52     624    2    7.69                                          $1,871      $35.99     $3.00    $0.20

 21043 AM STUDIES   4  01    4    1   177     708    2    2.56       $11,433            $0  $11,433      $292       $1.65     $0.41    $0.03
 22043 AM STUDIES   4  03   12   13   184   2,208    2    7.69       $73,372            $0  $73,372    $5,642      $30.66     $2.56    $0.17
 **043 CRS TOTALS           16   14   184   2,916    2   10.26                                          $5,934      $32.26     $2.04    $0.14

 21045 READ ENG L   2  01    2    1    27      54    1    1.28        $3,600            $0   $3,600       $46       $1.72     $0.85    $0.06
 22045 READ ENG L   4  03   12    2    27     324    1    7.69        $7,200            $0   $7,200      $553      $20.51     $1.71    $0.11
 **045 CRS TOTALS           14    3    27     378    1    8.97                                            $599      $22.21     $1.59    $0.11
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Teacher Salary Utilization by Program Area

The Teacher Salary Utilization by Program Area Report lists the data described below for each phase of a course. Phase data is then summarized by course and by program area.

1. DISTRICT - The number assigned to the district by the SDPI
2. BUILDING - The number assigned to the school by the SDPI
3. PROGRAM AREA - A major division of instruction such as Language, Math-Science, etc.
4. CRS NO - The three digit number assigned by the school in the flexible scheduling system to identify a course
5. COURSE-PHASE - Either the course name associated with the CRS No described in (4) above or the phase number within that course
6. INSTRUCTIONAL CONTACT DATA
    - A. PPM - Periods per meeting
    - B. MPC - Meetings per cycle
    - C. TOT MODS - The product resulting from the multiplication of the periods per meeting times the meetings per cycle
    - D. NO SECS - Number of sections. The total number of sections of this phase or course
    - E. NO PUPILS - The total number of pupils enrolled in this phase or course
    - F. PUPIL MODS - The total mods (6C) times the number of pupils (6E)
    - G. NO TCHRS - The number of teachers involved in teaching this phase or course
    - H. CONTACT PERCENT

$$\frac{\text{TOT MODS (6C)}}{\text{Total mods in cycle}}$$

7. TEACHER COSTS
    - A. SALARY - The sum of each teacher's regular salary multiplied by the number of sections in the phase or course
    - B. EXT CMP - A code number 2 or 5 indicates that extra pay is included in the regular salary figure shown under (7A) but cannot be extracted without additional information
    - C. OVHD - A school supplied overhead value in the form of fringe benefits is added to SALARY
    - D. SALARY + OVHD = SALARY (7A) + result of (7C)
    - E. COST OF CONTACT = CONTACT PERCENT (6H) X SALARY + OVHD (7D)
8. CONTACT COSTS
    - A. PER PUPIL = COST OF CONTACT (7E) ÷ NO PUPILS (6E)
    - B. PER PUPIL PER MOD = COST OF CONTACT (7E) ÷ PUPIL MODS (6F)
    - C. PER PUPIL PER MIN = Per pupil per mod (8B) divided by minutes per mod

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                         T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
DISTRICT 9999                                                                                                 DATE MARCH 2, 1972
BUILDING  999      SCHOOL NAME PROGRESS CITY HIGH SCHOOL                               71-72 2ND SEM                       PAGE NO   2

PROGRAM AREA LANG. ARTS     ASSIGNED NO. 01

                     ------------INSTRUCTIONAL CONTACT------------   -------------TEACHER COSTS-------------    -----CONTACT COSTS------
 CRS                           TOT   NO    NO    PUPIL   NO  CONTACT                EXT            SALARY  COST OF       PER    ---PER PUPIL---
  NO  CRSE-PHASE PPM MPC MODS SECS PUPILS  MODS TCHRS PER CNT      SALARY CMP   OVHD  + OVHD  CONTACT      PUPIL  PER MOD  PER MIN

 21047 CONT FICT   1  01     1     5     77      77    2   0.64     $26,354         $0  $26,354     $168      $2.19     $2.19    $0.15
 22047 CONT FICT   3  03     9     5     76     684    2   5.77     $26,354         $0  $26,354   $1,520     $20.01     $2.22    $0.15
 **047 CRS TOTALS           10    10     77     761    2   6.41                                     $1,689     $21.94     $2.22    $0.15

 11049 LA IND ST   3  02     6     1      4      24    1   3.85      $4,848         $0   $4,848     $186     $46.66     $7.78    $0.52
 **049 CRS TOTALS            6     1      4      24    1   3.85                                       $186     $46.66     $7.78    $0.52

 21051 CON POETRY  2  01     2     1     43      86    2   1.28      $9,101         $0   $9,101     $116      $2.71     $1.35    $0.09
 22051 CON POETRY  4  03    12     3     44     528    2   7.69     $14,054         $0  $14,054   $1,080     $24.56     $2.05    $0.14
 **051 CRS TOTALS           14     4     44     614    2   8.97                                     $1,197     $27.21     $1.95    $0.13

 21053 WORLD LIT   2  01     2     1     20      40    1   1.28      $5,905         $0   $5,905      $75      $3.78     $1.89    $0.13
 22053 WORLD LIT   4  03    12     2     21     252    1   7.69     $11,810         $0  $11,810     $908     $43.25     $3.60    $0.24
 **053 CRS TOTALS           14     3     21     292    1   8.97                                       $983     $46.85     $3.37    $0.22

 11063 CHAMBER     3  02     6     1     12      72    1   3.85      $4,848         $0   $4,848     $186     $15.55     $2.59    $0.17
 **063 CRS TOTALS            6     1     12      72    1   3.85                                       $186     $15.55     $2.59    $0.17

 11071 JOURNAL     3  04    12     1     12     144    1   7.69      $4,010         $0   $4,010     $308     $25.70     $2.14    $0.14
 **071 CRS TOTALS           12     1     12     144    1   7.69                                       $308     $25.70     $2.14    $0.14

 11073 PUBLICAT    4  02     8     1      3      24    1   5.13      $4,010         $0   $4,010     $205     $68.57     $8.57    $0.57
 **073 CRS TOTALS            8     1      3      24    1   5.13                                       $205     $68.57     $8.57    $0.57

 11074 PHOTO       3  03     9     1     13     117    1   5.77      $4,010         $0   $4,010     $231     $17.80     $1.98    $0.13
 **074 CRS TOTALS            9     1     13     117    1   5.77                                       $231     $17.80     $1.98    $0.13

 11943 AM. ST.     4  03    12     1      0       0    1   7.69      $5,575         $0   $5,575     $428      $0.00     $0.00    $0.00
 **943 CRS TOTALS           12     1      0       0    1   7.69                                       $428      $0.00     $0.00    $0.00

 11953 WORLD LIT   4  02     8     1      6      48    1   5.13      $5,905         $0   $5,905     $302     $50.49     $6.31    $0.42
 **953 CRS TOTALS            8     1      6      48    1   5.13                                       $302     $50.49     $6.31    $0.42

 11971 JOURN II    3  04    12     1      0       0    1   7.69      $4,010         $0   $4,010     $308      $0.00     $0.00    $0.00
 **971 CRS TOTALS           12     1      0       0    1   7.69                                       $308      $0.00     $0.00    $0.00

***PROGRAM TOTALS          279   178  1,647  20,912   19                                            $49,551     $30.27     $2.38    $0.16
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TEACHER SALARY UTILIZATION BY PROGRAM AREA

DISTRICT 9999
BUILDING 999 SCHOOL NAME PROGRESS CITY HIGH SCHOOL 71-72 2ND SEM DATE MARCH 2, 1972
PAGE NO 3

PROGRAM AREA FOREIGN LANG ASSIGNED NO. 02

				INSTRUCTIONAL CONTACT						TEACHER COSTS					CONTACT COSTS		
CRS NO	CRSE-PHASE	PPM	MPC	TOT MODS	NO SECS	NO PUPILS	PUPIL MODS	NO TCHRS	CONTACT PER CNT	SALARY	EXT CMP	OVHD	SALARY + OVHD	COST OF CONTACT	PER PUPIL	PER PUPIL PER MOD	PER PUPIL PER MIN
11102	LATIN ONE	2	06	12	1	5	60	1	7.69	$6,725		$0	$6,725	$517	$103.43	$8.62	$0.57
**102	CRS TOTALS			12	1	5	60	1	7.69					$517	$103.43	$8.62	$0.57
11104	LATIN II	3	05	15	2	21	315	1	9.62	$13,450		$0	$13,450	$1,293	$61.61	$4.11	$0.27
**104	CRS TOTALS			15	2	21	315	1	9.62					$1,293	$61.61	$4.11	$0.27
11106	LAT THRE F	2	06	12	2	19	228	1	7.69	$13,450		$0	$13,450	$1,034	$54.44	$4.54	$0.30
**106	CRS TOTALS			12	2	19	228	1	7.69					$1,034	$54.44	$4.54	$0.30
11112	SPANISH I	3	05	15	2	17	255	1	9.62	$11,230		$0	$11,230	$1,080	$63.55	$4.24	$0.28
**112	CRS TOTALS			15	2	17	255	1	9.62					$1,080	$63.55	$4.24	$0.28
11114	SPANISH TW	2	05	10	3	30	300	1	6.41	$16,345		$0	$16,845	$1,079	$35.99	$3.60	$0.24
**114	CRS TOTALS			10	3	30	300	1	6.41					$1,079	$35.99	$3.60	$0.24
11116	SPANISH TH	2	05	10	2	22	220	1	6.41	$11,230		$0	$11,230	$719	$32.72	$3.27	$0.22
**116	CRS TOTALS			10	2	22	220	1	6.41					$719	$32.72	$3.27	$0.22
11118	SPAN IV	2	05	10	1	5	50	1	6.41	$5,615		$0	$5,615	$359	$71.98	$7.20	$0.48
**118	CRS TOTALS			10	1	5	50	1	6.41					$359	$71.98	$7.20	$0.48
11122	FRENCH ONE	2	05	10	1	10	100	1	6.41	$4,148		$0	$4,148	$265	$26.59	$2.66	$0.18
**122	CRS TOTALS			10	1	10	100	1	6.41					$265	$26.59	$2.66	$0.18
21124	FRENCH II	2	01	2	1	61	122	2	1.28	$8,496		$0	$8,496	$109	$1.78	$0.89	$0.06
22124	FRENCH II	3	04	12	7	60	720	3	7.69	$25,688		$0	$25,688	$1,975	$32.92	$2.74	$0.18
**124	CRS TOTALS			14	8	61	842	3	8.97					$2,084	$34.17	$2.48	$0.17
11126	FRENCH III	3	05	15	2	27	405	1	9.62	$8,296		$0	$8,296	$798	$29.56	$1.97	$0.13
**126	CRS TOTALS			15	2	27	405	1	9.62					$798	$29.56	$1.97	$0.13
11128	FRENCH 4	3	05	15	2	15	225	1	9.62	$8,696		$0	$8,696	$836	$55.77	$3.72	$0.25
**128	CRS TOTALS			15	2	15	225	1	9.62					$836	$55.77	$3.72	$0.25
11129	CONV FR I	2	05	10	2	11	110	1	6.41	$8,296		$0	$8,296	$531	$48.34	$4.83	$0.32
**129	CRS TOTALS			10	2	11	110	1	6.41					$531	$48.34	$4.83	$0.32
11132	GERMAN I	3	06	18	1	10	180	1	11.54	$6,133		$0	$6,133	$707	$70.78	$3.93	$0.26
**132	CRS TOTALS			18	1	10	180	1	11.54					$707	$70.78	$3.93	$0.26
21134	GERMAN II	2	01	2	1	73	146	1	1.28	$4,148		$0	$4,148	$53	$0.73	$0.36	$0.02
22134	GERMAN II	2	05	10	4	74	740	1	6.41	$16,592		$0	$16,592	$1,063	$14.37	[illegible]	$0.10
**134	CRS TOTALS			12	5	74	886	1	7.69					$1,116	$15.09	[illegible]	$0.08
11136	GERMAN III	2	05	10	4	51	510	1	6.41	$16,592		$0	$16,592	$1,063	$20.85	$2.09	$0.14
**136	CRS TOTALS			10	4	51	510	1	6.41					$1,063	$20.85	$2.09	$0.14
11138	GERMAN 4	2	04	8	1	5	40	1	5.13	$4,148		$0	$4,148	$212	$42.56	$5.32	$0.35
**138	CRS TOTALS			8	1	5	40	1	5.13					$212	$42.56	$5.32	$0.35

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                              T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
DISTRICT 9999
BUILDING  999      SCHOOL NAME PROGRESS CITY HIGH SCHOOL                          71-72 COURSE                                DATE MARCH 2, 1972
                                                                                                                                      PAGE NO

PROGRAM AREA FOREIGN LANG  ASSIGNED NO. 02

                       -----------INSTRUCTIONAL CONTACT------------  ------------TEACHER COSTS------------   ------CONTACT COSTS-------
 CRS                           TOT   NO    NO    PUPIL   NO  CONTACT            EXT        SALARY  COST  /      PER     ---PER PUPIL----
  NO  CRSE-PHASE PPW MPC MODS SETS PUPILS  MODS TCHRS PER CNT    SALARY CMP   VHD   + CVHL  CONTACT       PUPIL   PER MOD  PER MIN

11142 RUSSIAN I   2  05    10    1      9     90    1    6.41     $4,148       $0  $4,148      $265      $29.54     $2.95    $0.20
**142 CRS TOTALS           10    1      9     90    1    6.41                                  $265      $29.54     $2.95    $0.20

***PROGRAM TOTALS         206   40    392  4,814    7                                       $13,968      $35.63     $2.90    $0.19
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DISTRICT 9999                T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
BUILDING  999        SCHOOL NAME PROGRESS CITY HIGH SCHOOL                        71-72 2ND SEM              DATE MARCH 2, 1972
                                                                                                                  PAGE NO   5
PROGRAM AREA SOC. SCIENCE  ASSIGNED NO. 03

 CRS                    -----------INSTRUCTIONAL CONTACT-----------   -----------TEACHER COSTS-----------      ------CONTACT COSTS-------
  NO  CRSE-PHASE PPM MPC TOT  NO    NO   PUPIL  NO  CONTACT                 EXT         SALARY   COST OF       PER    ---PER PUPIL----
                         MODS SECS PUPILS MODS TCHRS PER CNT    SALARY CMP    OVHD   + OVHD   CONTACT       PUPIL   PER MOD  PER MIN
 11151 GEOG        3  04   12   3    47    564   1   7.69    $17,280          $0  $17,280   $1,328      $28.27    $2.36    $0.16
**151 CRS TOTALS           12   3    47    564   1   7.69                                   $1,328      $28.27    $2.36    $0.16

 11158 SOC ST      2  05   10   2    21    210   1   6.41    $10,550          $0  $10,550     $676      $32.20    $3.22    $0.21
**158 CRS TOTALS           10   2    21    210   1   6.41                                     $676      $32.20    $3.22    $0.21

 21161 PSYCHOLOGY  2  01    2   2   150    300   2   1.28    $22,906          $0  $22,906     $293       $1.95    $0.98    $0.07
 22161 PSYCHOLOGY  4  03   12   9   151  1,812   1   7.69    $40,572          $0  $40,572   $3,119      $20.66    $1.72    $0.11
**161 CRS TOTALS           14  11   151  2,112   2   8.97                                   $3,413      $22.60    $1.62    $0.11

 21163 SOCIOLOGY   2  01    2   2   107    214   1   1.28    $10,196          $0  $10,196     $130       $1.22    $0.61    $0.04
 22163 SOCIOLOGY   4  03   12   6   109  1,308   1   7.69    $30,588          $0  $30,588   $2,352      $21.58    $1.80    $0.12
**163 CRS TOTALS           14   8   109  1,522   1   8.97                                   $2,482      $22.78    $1.63    $0.11

 21166 HUMANITIES  3  01    3   1    53    159   4   1.92    $20,347          $0  $20,347     $390       $7.27    $2.46    $0.16
 22166 HUMANITIES  2  03    6   1    51    306   4   3.85    $20,347          $0  $20,347     $783      $15.36    $2.56    $0.17
**166 CRS TOTALS            9   2    53    465   4   5.77                                   $1,174      $22.15    $2.52    $0.17

 11169 MINOR ST    3  02    6   2    56    336   1   3.85    $10,194          $0  $10,194     $392       $7.01    $1.17    $0.08
**169 CRS TOTALS            6   2    56    336   1   3.85                                     $392       $7.01    $1.17    $0.08

 11170 WORLD HIST  3  05   15   4    82  1,230   1   9.62    $21,352          $0  $21,352   $2,054      $25.05    $1.67    $0.11
**170 CRS TOTALS           15   4    82  1,230   1   9.62                                   $2,054      $25.05    $1.67    $0.11

 21174 U S HIST    3  02    6   4   539  3,234   5   3.85   $104,092          $0 $104,092   $4,007       $7.44    $1.24    $0.08
 22174 U S HIST    2  03    6  23   539  3,234   3   3.85   $249,546          $0 $249,546   $9,607      $17.82    $2.97    $0.20
**174 CRS TOTALS           12  27   539  6,468   6   7.69                                  $13,615      $25.26    $2.10    $0.14

 21197 GOVERNMENT  3  01    3   1   135    405   2   1.92    $11,985          $0  $11,985     $230       $1.70    $0.57    $0.04
 22197 GOVERNMENT  3  03    9   9   139  1,251   1   5.77    $56,025          $0  $56,025   $3,232      $23.26    $2.58    $0.17
**197 CRS TOTALS           12  10   139  1,656   2   7.69                                   $3,462      $24.91    $2.09    $0.14

 21199 ECONOMICS   3  01    3   1   115    345   3   1.92    $16,318          $0  $16,318     $313       $2.72    $0.91    $0.06
 22199 ECONOMICS   3  04   12   7   113  1,356   2   7.69    $33,168          $0  $33,168   $2,550      $22.57    $1.88    $0.13
**199 CRS TOTALS           15   8   115  1,701   4   9.62                                   $2,863      $24.90    $1.68    $0.11

 21797 GOVT        3  01    3   1    44    132   2   1.92    $11,985          $0  $11,985     $230       $5.23    $1.74    $0.12
 22797 GOVT        3  03    9   6    50    450   2   5.77    $23,040          $0  $23,040   $1,329      $26.59    $2.95    $0.20
**797 CRS TOTALS           12   7    50    582   3   7.69                                   $1,559      $31.19    $2.68    $0.18

 21799 ECONOMICS   3  01    3   1    64    192   3   1.92    $16,318          $0  $16,318     $313       $4.90    $1.63    $0.11
 22799 ECONOMICS   3  04   12   9    70    840   2   7.69    $26,915          $0  $26,915   $2,069      $29.57    $2.46    $0.16
**799 CRS TOTALS           15   9    70  1,032   4   9.62                                   $2,383      $34.04    $2.31    $0.15

***PROGRAM TOTALS         146  93 1,432 17,878  19
                                                                                           $35,405      $24.72    $1.98    $0.13
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                           T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
DISTRICT ????
BUILDING  999       SCHOOL NAME PROGRESS CITY HIGH SCHOOL                          71-72 [illegible]                         DATE MARCH 2, 1972
                                                                                                                                  PAGE NO   5
PROGRAM AREA MATHEMATICS    ASSIGNED NO. 04

                        ------------INSTRUCTIONAL CONTACT------------      ---------------TEACHER COSTS---------------       -------CONTACT COSTS------
 CRS                                TOT   NO    NO    PUPIL   NO  CONTACT                EXT            SALARY   COST OF       PER    ---PER PUPIL----
  NO  CRSE-PHASE   PPM MPC MODS  SECS PUPILS  MODS TCHRS PER CNT     SALARY  CMP    OVHD   + OVHD   CONTACT      PUPIL    PER MOD   PER MIN

11201 SECON MATH    3  06    18     7   127   2,286    2  11.54    $38,453           $0  $38,453    $4,437     $34.94     $1.94     $0.13
**201 CRS TOTALS             18     7   127   2,286    2  11.54                                    $4,437     $34.94     $1.94     $0.13

21212 ALGEBRA I     3  01     3     4    49     147    2   1.92    $16,845           $0  $16,845      $323      $6.60     $2.20     $0.15
22212 ALGEBRA I     3  03     9     4    52     468    2   5.77    $16,845           $0  $16,845      $971     $18.69     $2.08     $0.14
**212 CRS TOTALS             12     8    52     615    2   7.69                                    $1,295     $24.91     $2.11     $0.14

11214 ALG II        3  03     9     1    19     171    2   5.77    $10,623           $0  $10,623      $612     $32.26     $3.58     $0.24
**214 CRS TOTALS              9     1    19     171    2   5.77                                      $612     $32.26     $3.58     $0.24

11222 PL SD GEOM    3  03     9     7   182   1,638    3   5.77   $109,277           $0 $109,277    $6,305     $34.64     $3.85     $0.26
**222 CRS TOTALS              9     7   182   1,638    3   5.77                                    $6,305     $34.64     $3.85     $0.26

11223 INF GEOM      2  06    12     3    89   1,068    3   7.69    $46,833           $0  $46,833    $3,601     $40.47     $3.37     $0.22
**223 CRS TOTALS             12     3    89   1,068    3   7.69                                    $3,601     $40.47     $3.37     $0.22

11227 ANALY GEOM    0  00     0     1     0       0    1   0.00         $0           $0       $0        $0      $0.00     $0.00     $0.00
**227 CRS TOTALS              0     1     0       0    1   0.00                                        $0      $0.00     $0.00     $0.00

11231 TRIG          3  04    12     1    13     156    1   7.69     $6,945           $0   $6,945      $534     $41.08     $3.42     $0.23
**231 CRS TOTALS             12     1    13     156    1   7.69                                      $534     $41.08     $3.42     $0.23

11234 MATH ANAL2    3  04    12     1    21     252    1   7.69     $5,473           $0   $5,473      $420     $20.04     $1.67     $0.11
**234 CRS TOTALS             12     1    21     252    1   7.69                                      $420     $20.04     $1.67     $0.11

11241 MATH TOPIC    3  03     9     1     5      45    1   5.77     $4,988           $0   $4,988      $287     $57.56     $6.40     $0.43
**241 CRS TOTALS              9     1     5      45    1   5.77                                      $287     $57.56     $6.40     $0.43

11243 PROB & STA    3  03     9     1    24     216    1   5.77     $5,835           $0   $5,835      $336     $14.03     $1.56     $0.10
**243 CRS TOTALS              9     1    24     216    1   5.77                                      $336     $14.03     $1.56     $0.10

11247 COMP PROG     3  03     9     1    13     117    1   5.77     $5,835           $0   $5,835      $336     $25.90     $2.88     $0.19
**247 CRS TOTALS              9     1    13     117    1   5.77                                      $336     $25.90     $2.88     $0.19

11713 ALG I         3  06    18     3    37     666    1  11.54    $20,175           $0  $20,175    $2,328     $62.92     $3.50     $0.23
**713 CRS TOTALS             18     3    37     666    1  11.54                                    $2,328     $62.92     $3.50     $0.23

11714 ALG II        3  05    15     5    94   1,410    1   9.62    $29,175           $0  $29,175    $2,806     $29.86     $1.99     $0.13
**714 CRS TOTALS             15     5    94   1,410    1   9.62                                    $2,806     $29.86     $1.99     $0.13

21813 ALG I         3  03     9     2    32     288    1   5.77    $11,230           $0  $11,230      $647     $20.25     $2.25     $0.15
22813 ALG I         3  02     6     3    35     210    1   3.85    $16,945           $0  $16,945      $649     $18.57     $3.09     $0.21
**813 CRS TOTALS             15     5    35     498    1   9.62                                    $1,296     $37.04     $2.60     $0.17

11814 ALG II        3  05    15     4    55     825    1   9.62    $27,780           $0  $27,780    $2,672     $48.59     $3.24     $0.22
**814 CRS TOTALS             15     4    55     825    1   9.62                                    $2,672     $48.59     $3.24     $0.22

11914 ALG II        3  05    15     3    47     705    1   9.62    $20,175           $0  $20,175    $1,940     $41.28     $2.75     $0.18
**914 CRS TOTALS             15     3    47     705    1   9.62                                    $1,940     $41.28     $2.75     $0.18
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DISTRICT 9999             T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
BUILDING  999      SCHOOL NAME PROGRESS CITY HIGH SCHOOL
                                                                              71-72 2ND SEM            DATE MARCH 2, 1972
PROGRAM AREA MATHEMATICS   ASSIGNED NO. 34                                                                    PAGE NO   7

                    -------------INSTRUCTIONAL CONTACT-------------  --------------TEACHER COSTS-------------     ------CONTACT COSTS-------
 SEQ                       TOT   NO    NO   PUPIL   NO  CONTACT              EXT            SALARY  COST OF        PER    ---PER PUPIL----
 NO  CESE-PHASE PRM MPC MODS SECS PUPILS  MODS TCHRS PERCNT     SALARY PAY    FRNG   + FRNG  CONTACT        PUPIL   PER MOD  PER MIN

***PROGRAM TOTALS        180    32    813  10,668   13
                                                                                          $29,213      $35.93     $2.74    $0.18
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                              T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
DISTRICT 9999
BUILDING  999      SCHOOL NAME PROGRESS CITY HIGH SCHOOL                           71-72 2ND SEM                   DATE MARCH 2, 1972
                                                                                                                           PAGE NO   8
PROGRAM AREA SCIENCE        ASSIGNED NO. 05

                         ------------INSTRUCTIONAL CONTACT------------   ------------TEACHER COSTS-------------    ------CONTACT COSTS-------
 CRS                           TOT   NO    NO    PUPIL    NO  CONTACT                EXT          SALARY   COST OF      PER     ---PER PUPIL----
  NO  CRSE-PHASE  PPM MPC     MODS  SECS PUPILS   MODS  TCHRS PER CNT     SALARY CMP   TVHD   + TVHD   CONTACT     PUPIL    PER MOD   PER MIN

21252 BSCS BLUE     2  01        2     2   133      266    2    1.28     $21,212          $0  $21,212      $271     $2.04     $1.02     $0.07
22252 BSCS BLUE     4  03       12     5   131    1,572    1    7.69     $24,765          $0  $24,765    $1,904    $14.54     $1.21     $0.08
**252 CRS TOTALS                14     7   133    1,838    2    8.97                                     $2,175    $16.36     $1.18     $0.08

11254 BSCS          4  05       20     5   131    2,620    1   12.82     $31,400          $0  $31,400    $4,025    $30.73     $1.54     $0.10
**254 CRS TOTALS                20     5   131    2,620    1   12.82                                     $4,025    $30.73     $1.54     $0.10

21262 PSSC          3  01        3     3    83      249    2    1.92     $11,578          $0  $11,578      $222     $2.68     $0.89     $0.06
22262 PSSC          5  03       15     4    86    1,290    1    9.62     $37,680          $0  $37,680    $3,624    $42.15     $2.81     $0.19
**262 CRS TOTALS                18     7    86    1,539    2   11.54                                     $3,847    $44.73     $2.50     $0.17

11264 HPP           5  03       15     6   127    1,905    1    9.62     $31,788          $0  $31,788    $3,058    $24.08     $1.61     $0.11
**264 CRS TOTALS                15     6   127    1,905    1    9.62                                     $3,058    $24.08     $1.61     $0.11

21272 CHEM          2  01        2     1    83      166    1    1.28      $6,583          $0   $6,583       $84     $1.02     $0.51     $0.03
22272 CHEM          4  04       16     4    84    1,344    1   10.26     $26,332          $0  $26,332    $2,701    $32.16     $2.01     $0.13
**272 CRS TOTALS                18     5    84    1,510    1   11.54                                     $2,785    $33.17     $1.84     $0.12

11282 ESS           3  02        6     1     0        0    4    3.85     $23,789          $0  $23,789      $915     $0.00     $0.00     $0.00
**282 CRS TOTALS                 6     1     0        0    4    3.85                                       $915     $0.00     $0.00     $0.00

11293 TIPS          4  03       12     1     0        0    1    7.69      $6,280          $0   $6,280      $482     $0.00     $0.00     $0.00
**293 CRS TOTALS                12     1     0        0    1    7.69                                       $482     $0.00     $0.00     $0.00

11752 BSCS BLUE     4  05       20     5    84    1,680    2   12.82     $26,900          $0  $26,900    $3,448    $41.05     $2.05     $0.14
**752 CRS TOTALS                20     5    84    1,680    2   12.82                                     $3,448    $41.05     $2.05     $0.14

21952 BSCS BLUE     2  01        2     2    95      190    2    1.28     $21,212          $0  $21,212      $271     $2.86     $1.43     $0.10
22952 BSCS BLUE     4  04       16     4    93    1,488    1   10.26     $22,612          $0  $22,612    $2,319    $24.95     $1.56     $0.10
**952 CRS TOTALS                18     6    95    1,678    2   11.54                                     $2,591    $27.28     $1.54     $0.10

11972 CHEMS         4  05       20     5    52    1,040    1   12.82     $34,725          $0  $34,725    $4,451    $85.61     $4.28     $0.29
**972 CRS TOTALS                20     5    52    1,040    1   12.82                                     $4,451    $95.61     $4.28     $0.29

***PROGRAM TOTALS              161    48   792   13,910   11                                            $27,783    $35.08     $2.01     $0.13
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                               TEACHER SALARY UTILIZATION BY PROGRAM AREA
DISTRICT 9999                                                                                        DATE MARCH 2, 1972
BUILDING  999       SCHOOL NAME PROGRESS CITY HIGH SCHOOL                    71-72 2ND SEM                    PAGE NO   9

PROGRAM AREA BUS. EDUC.     ASSIGNED NO. 03

                     ------------INSTRUCTIONAL CONTACT------------  --------------TEACHER COSTS--------------    ------CONTACT COSTS------
 CRS                           TOT   NO    NO   PUPIL   NO CONTACT                EXT           SALARY  COST OF      PER    ---PER PUPIL---
  NO  CRSE-PHASE PRM MPC MODS SECS PUPILS  MODS TCHRS PER CNT   SALARY CMP   OVHD   + OVHD  CONTACT     PUPIL   PER MOD  PER MIN

 11301 TYPING I    3  05   15    1     29    435    1   9.62   $5,528          $0   $5,528     $531    $18.34    $1.22    $0.08
 **301 CRS TOTALS          15    1     29    435    1   9.62                                  $531    $18.34    $1.22    $0.08

 11302 INT OFF ED  2  01    2    1      2      4    1   1.28   $3,965          $0   $3,965      $50    $25.38   $12.69    $0.85
 **302 CRS TOTALS           2    1      2      4    1   1.28                                   $50    $25.38   $12.69    $0.85

 11303 TYPING II   3  05   15    2     41    615    1   9.62  $11,056          $0  $11,056   $1,063    $25.94    $1.73    $0.12
 **303 CRS TOTALS          15    2     41    615    1   9.62                                $1,063    $25.94    $1.73    $0.12

 11307 COLL PR TY  3  04   12    1      7     84    1   7.69   $5,528          $0   $5,528     $425    $60.73    $5.06    $0.34
 **307 CRS TOTALS          12    1      7     84    1   7.69                                  $425    $60.73    $5.06    $0.34

 21314 SHORTHAND   4  01    4    1     45    180    1   2.56   $6,158          $0   $6,158     $157     $3.50    $0.88    $0.06
 22314 SHORTHAND   2  05   10    2     47    470    1   6.41  $12,316          $0  $12,316     $789    $16.80    $1.68    $0.11
 **314 CRS TOTALS          14    3     47    650    1   8.97                                  $947    $20.15    $1.46    $0.10

 21317 NOTEHAND    2  01    2    1     32     64    1   1.28   $6,158          $0   $6,158      $79     $2.46    $1.23    $0.08
 22317 NOTEHAND    2  03    6    1     30    180    1   3.85   $6,158          $0   $6,158     $237     $7.90    $1.32    $0.09
 **317 CRS TOTALS           8    2     32    244    1   5.13                                  $315     $9.87    $1.29    $0.09

 11319 OFFICE MAC  4  05   20    2     20    400    1  12.82  $11,056          $0  $11,056   $1,417    $70.87    $3.54    $0.24
 **319 CRS TOTALS          20    2     20    400    1  12.82                                $1,417    $70.87    $3.54    $0.24

 31323 BKKG 2      3  01    3    1     50    150    1   1.92   $5,760          $0   $5,760     $110     $2.21    $0.74    $0.05
 32323 BKKG 2      4  02    8    3     51    408    1   5.13  $17,280          $0  $17,280     $886    $17.38    $2.17    $0.14
 33323 BKKG 2      2  02    4    4     52    208    1   2.56  $23,040          $0  $23,040     $589    $11.34    $2.84    $0.19
 **323 CRS TOTALS          15    8     52    766    1   9.62                                $1,586    $30.52    $2.07    $0.14

 11325 ADV BKKG    4  03   12    1      3     36    1   7.69   $5,905          $0   $5,905     $454   $151.36   $12.61    $0.84
 **325 CRS TOTALS          12    1      3     36    1   7.69                                  $454   $151.36   $12.61    $0.84

 31326 GEN BKPG    3  01    3    1     62    186    1   1.92   $5,760          $0   $5,760     $110     $1.76    $0.59    $0.04
 32326 GEN BKPG    4  02    8    3     63    504    1   5.13  $17,280          $0  $17,280     $886    $14.07    $1.76    $0.12
 33326 GEN BKPG    2  02    4    5     64    256    1   2.56  $28,800          $0  $28,800     $737    $11.52    $2.88    $0.19
 **326 CRS TOTALS          15    9     64    946    1   9.62                                $1,734    $27.10    $1.83    $0.12

 21328 RECD KPPG   3  04   12    1     13    156    1   7.69   $5,528          $0   $5,528     $425    $32.70    $2.73    $0.18
 22328 RECD KPPG   3  02    6    2     14     84    1   3.85  $11,056          $0  $11,056     $425    $30.40    $5.07    $0.34
 **328 CRS TOTALS          18    3     14    240    1  11.54                                  $850    $60.77    $3.54    $0.24

 11333 DATA PRO 2  2  04    8    1     14    112    1   5.13   $5,905          $0   $5,905     $302    $21.64    $2.70    $0.18
 **333 CRS TOTALS           8    1     14    112    1   5.13                                  $302    $21.64    $2.70    $0.18

 11336 INTRO STEN  4  04   16    1     20    320    1  10.26   $6,158          $0   $6,158     $631    $31.59    $1.97    $0.13
 **336 CRS TOTALS          16    1     20    320    1  10.26                                  $631    $31.59    $1.97    $0.13

 21337 COM SIK EX  4  01    4    1     11     44    1   2.56   $5,760          $0   $5,760     $147    $13.41    $3.35    $0.22
 22337 COM SIK EX  2  02    4    1     11     44    1   2.56   $5,760          $0   $5,760     $147    $13.41    $3.35    $0.22
 **337 CRS TOTALS           8    2     11     88    1   5.13                                  $294    $26.81    $3.35    $0.22
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DISTRICT 9999          T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
BUILDING  999      SCHOOL NAME PROGRESS CITY HIGH SCHOOL                                  DATE MARCH 2, 1972
                                                                       71-72 2ND SEM
PROGRAM AREA BUS. EDUC.    ASSIGNED NO. 35                                                              PAGE NO  10

                          -----------INSTRUCTIONAL CONTACT-----------   -------------TEACHER COSTS-------------   ------CONTACT COSTS------
  CRS                          TOT   NO     NO   PUPIL    NO  CONTACT               EXT          SALARY  COST OF        PER    ---PER PUPIL----
  NO   CRSE-PHASE PPM MPC MODS  SECS PUPILS  MODS  TCHRS PER CNT    SALARY CMP   CVHD  + CVHD  CONTACT        PUPIL   PER MOD  PER MIN

 11338 INTRO CLER   4  04   16     1      9    144    1  10.26     $6,158           $0   $6,158     $631       $70.20     $4.39    $0.29
 **338 CRS TOTALS           16     1      9    144    1  10.26                                      $631       $70.20     $4.39    $0.29

 21341 CONS ECON    3  01    3     1     43    129    1   1.92     $5,760           $0   $5,760     $110        $2.57     $0.86    $0.06
 22341 CONS ECON    2  04    8     4     50    400    1   5.13    $23,040           $0  $23,040   $1,181       $23.64     $2.95    $0.20
 **341 CRS TOTALS           11     5     50    529    1   7.05                                    $1,292       $25.85     $2.44    $0.16

 31343 BUS LAW      3  01    3     1     87    261    1   1.92     $5,760           $0   $5,760     $110        $1.27     $0.42    $0.03
 32343 BUS LAW      3  02    6     3     90    540    1   3.55    $17,280           $0  $17,280     $665        $7.39     $1.23    $0.08
 33343 BUS LAW      2  02    4     6     90    360    1   2.56    $34,560           $0  $34,560     $884        $9.83     $2.46    $0.16
 **343 CRS TOTALS           13    10     90  1,161    1   8.33                                    $1,660       $18.45     $1.43    $0.10

***PROGRAM TOTALS          218    53    505  4,774    7                                           $14,192       $28.10     $2.10    $0.14
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                              T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
DISTRICT 9999
BUILDING 999        SCHOOL NAME PROGRESS CITY HIGH SCHOOL                         71-72 2ND SEM                 DATE MARCH 2, 1972
                                                                                                                       PAGE NO 11
PROGRAM AREA HOME ECON.      ASSIGNMENT 1, 03

                       ------------INSTRUCTIONAL CONTACT-------------   -------------TEACHER COSTS-------------   ------CONTACT COSTS-------
 CRS                       TOT   NO     NO   PUPIL   NO  CONTACT               EXT          SALARY   COST OF      PER     ---PER PUPIL----
 NO   CRSE-PHASE  PRD MOD MODS  SECS PUPILS  MODS  TCHRS   PCT      SALARY    EMP    VHO    + VHO    CONTACT      PUPIL   PER MOD  PER MIN

21352 CLOTH RA     2  03    4           53    212      2   2.55    $14,976           $0   $14,976      $382       $7.21    $1.80    $0.12
22352 CLOTH RA     6  03   18           53    954      2  11.54    $14,976           $0   $14,976    $1,722      $32.50    $1.81    $0.12
**352 CRS TOTALS           22     4     53  1,166      2  14.10                                       $2,104      $39.71    $1.80    $0.12

11355 DRESS MKG    4  03   12     1     22    264      1   7.69     $7,640           $0    $7,640      $582      $26.50    $2.21    $0.15
**355 CRS TOTALS           12     1     22    264      1   7.69                                         $582      $26.50    $2.21    $0.15

21356 FD MEAL PR   2  03    4     7    151    604      2   2.56    $30,708           $0   $30,708      $786       $5.21    $1.30    $0.09
22356 FD MEAL PR   4  02    8     7    149  1,192      1   5.13    $35,924           $0   $35,924    $1,837      $12.33    $1.54    $0.10
**356 CRS TOTALS           12    14    151  1,796      2   7.69                                       $2,623      $17.38    $1.46    $0.10

21358 CREAT FDS    2  02    4     1     29    116      1   2.56     $5,118           $0    $5,118      $131       $4.52    $1.13    $0.08
22358 CREAT FDS    4  02    8     1     27    216      1   5.13     $5,118           $0    $5,118      $262       $9.72    $1.22    $0.08
**358 CRS TOTALS           12     1     29    332      1   7.69                                         $393      $13.57    $1.19    $0.08

11364 H EC COM1    4  03   12     1      9    108      1   7.69     $3,965           $0    $3,965      $304      $33.88    $2.82    $0.19
**364 CRS TOTALS           12     1      9    108      1   7.69                                         $304      $33.88    $2.82    $0.19

21366 H EC COM 2   3  01    3     1     22     66      1   1.92     $3,965           $0    $3,965       $76       $3.46    $1.15    $0.08
22366 H EC COM 2   4  03   12     1     22    264      1   7.69     $7,930           $0    $7,930      $609      $27.72    $2.31    $0.15
**366 CRS TOTALS           15     1     22    330      1   9.61                                         $685      $31.18    $2.08    $0.14

11372 AD LIVING    4  03   12    13    134  1,608      2   7.69    $56,709           $0   $56,709    $4,360      $32.54    $2.71    $0.18
**372 CRS TOTALS           12    13    134  1,608      2   7.69                                       $4,360      $32.54    $2.71    $0.18

11381 CHILD DEV    4  03   12     2     35    420      1   7.69     $9,906           $0    $9,906      $761      $21.76    $1.81    $0.12
**381 CRS TOTALS           12     2     35    420      1   7.69                                         $761      $21.76    $1.81    $0.12

11385 HOME NURS    4  03   12     7     84  1,008      1   7.69    $27,755           $0   $27,755    $2,134      $25.41    $2.12    $0.14
**385 CRS TOTALS           12     7     84  1,008      1   7.69                                       $2,134      $25.41    $2.12    $0.14

21389 HOUSE P&F    6  01    6     1     12     72      1   3.85     $3,790           $0    $3,790      $145      $12.16    $2.03    $0.14
22389 HOUSE P&F    4  03   12     1      9    108      1   7.69     $3,790           $0    $3,790      $291      $32.38    $2.70    $0.18
**389 CRS TOTALS           18     2     12    180      1  11.54                                         $437      $36.45    $2.43    $0.16

11397 H EC SEM     4  01    4     1      4     16      2   2.56    $10,228           $0   $10,228      $261      $65.44   $16.37    $1.09
**397 CRS TOTALS            4     1      4     16      2   2.56                                         $261      $65.44   $16.37    $1.09

***PROGRAM TOTALS         143    61    555  7,228      7                                             $14,652      $26.40    $2.03    $0.14
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[illegible]
DISTRICT 9996
BUILDING 999     WHOLE NAME PROGRESS CITY HIGH SCHOOL                                     DATE MARCH 6, 1972
                                                                                                PAGE [illegible]
PROGRAM AREA ART           ASSIGNED NO. 03

                   ------------INSTRUCTIONAL CONTENT------------  -------------CONTACT [illegible]----------  ----CONTACT COSTS------
 CRS                         TCH   NO.    NO.   PUPIL   NO  CONTACT         EXT         SALARY  COST OF      CC   ---PER PUPIL----
        CRS-PHASE PAR MPD MODS SECS PUPILS  MODS TCHRS [illegible]  SALARY EXP   VAL  + EXT  CONTACT     PUPIL  PER MOD  PER MIN

11-01 CRAFTS 1     6  03   18     4     68   1,224    1  11.54   $27,450       $0  $27,450   $2,591    $38.12    $2.12    $0.14
**-01 CRS TOTALS           18     4     68   1,224    1  11.54                               $2,591    $38.12    $2.12    $0.14

11-02 CRAFTS 2     6  03   18     1     39     702    1  11.54    $5,615       $0   $5,615     $647    $16.61    $0.92    $0.06
**-02 CRS TOTALS           18     1     39     702    1  11.54                                 $647    $16.61    $0.92    $0.06

11-12 ART 10       6  03   18     2     66   1,188    1  11.54   $13,450       $0  $13,450   $1,552    $23.52    $1.31    $0.09
**-12 CRS TOTALS           18     2     66   1,188    1  11.54                               $1,552    $23.52    $1.31    $0.09

11-14 ART 11       6  03   18     2     31     558    1  11.54   $13,450       $0  $13,450   $1,552    $50.07    $2.78    $0.19
**-14 CRS TOTALS           18     2     31     558    1  11.54                               $1,552    $50.07    $2.78    $0.19

11-16 ART 12       6  03   18     1     18     324    1  11.54    $6,725       $0   $6,725     $776    $43.12    $2.40    $0.16
**-16 CRS TOTALS           18     1     18     324    1  11.54                                 $776    $43.12    $2.40    $0.16

[illegible] ART 10 4  03   12     2     14     168    1   7.69   $12,026       $0  $12,026     $924    $66.06    $5.50    $0.37
**-12 CRS TOTALS           12     2     14     168    1   7.69                                 $924    $66.06    $5.50    $0.37

****PROGRAM TOTALS        102    12    236   4,164    3                                    $8,044    $34.09    $1.93    $0.13
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                        T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
DISTRICT 9999
BUILDING  999        SCHOOL NAME PROGRESS CITY HIGH SCHOOL                            71-72 2ND SEM                      DATE MARCH 2, 1972
                                                                                                                              PAGE NO  13
PROGRAM AREA VOC. AGRIC.    ASSIGNED NO. 09

                          ------------INSTRUCTIONAL CONTACT------------   ------------TEACHER COSTS------------     ------CONTACT COSTS-------
 CRS                            TOT    NO    NO    PUPIL   NO  CONTACT              EXT             SALARY   COST OF       PER     ---PER PUPIL----
  NO   CRSE-PHASE  PPW MPC  MODS  SECS PUPILS  MODS  TCHRS PER CENT    SALARY  CMP    OVHD    + OVHD   CONTACT      PUPIL    PER MOD  PER MIN
 11476 VOG AG I      4  06    24     1     3      72     1   15.38     $5,750          $0   $5,750      $884    $294.78     $12.28     $0.82
 **476 CRS TOTALS             24     1     3      72     1   15.38                                      $884    $294.78     $12.28     $0.82

 21432 HORTICULT     4  03    12     2    39     468     1    7.69    $11,500          $0  $11,500      $884     $22.68      $1.89     $0.13
 22432 HORTICULT     6  01     6     2    41     246     1    3.85    $11,500          $0  $11,500      $442     $10.80      $1.80     $0.12
 **432 CRS TOTALS             18     4    41     714     1   11.54                                    $1,327     $32.37      $1.86     $0.12

 21444 AG MECH I     2  02     4     1    52     208     1    2.56     $5,750          $0   $5,750      $147      $2.83      $0.71     $0.05
 22444 AG MECH I     5  02    10     3    52     520     1    6.41    $17,250          $0  $17,250    $1,105     $21.26      $2.13     $0.14
 **444 CRS TOTALS             14     4    52     728     1    8.97                                    $1,252     $24.09      $1.72     $0.11

 21446 AG MECH 2     2  02     4     1    14      56     1    2.56     $4,488          $0   $4,488      $114      $8.21      $2.05     $0.14
 22446 AG MECH 2     5  03    15     2    15     225     1    9.62     $8,976          $0   $8,976      $863     $57.57      $3.84     $0.26
 **446 CRS TOTALS             19     3    15     281     1   12.18                                      $979     $65.23      $3.48     $0.23

***PROGRAM TOTALS             75    12   111   1,795     2                                            $4,442     $40.02      $2.48     $0.17
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[illegible]
[illegible]          SCHOOL NAME [illegible] CITY HIGH SCHOOL                                          [illegible] MARCH 2, 1972
PROGRAM AREA IND. ARTS     ASSIGNED NO. 12                                                                         PAGE NO. 14

 CRS            ------------INSTRUCTIONAL CONTACT-----------  ---------------[illegible]--------------  ----CONTACT COSTS-------
 NO  CRS/PHASE PRM MAC  TOT   NO    NO   PUPIL   NO  CONTACT             [illegible]           DIRECT    PER    ---PER PUPIL---
                        MODS SECS PUPILS  MODS TCHRS PER CNT  SALARY     [illegible]           [illegible] PUPIL  PER MOD  PER MIN
11452 WOODS 1    4  03   12    7   100  1,200    1   7.69   $41,334         $0  $41,334   $2,174
 **452 CRS TOTALS        12    7   100  1,200    1   7.69                               $2,174   $31.79     $2.65    $0.18
                                                                                                 $31.79     $2.65    $0.18
11454 WOODS 2    4  03   12    2    34    408    1   7.69   $9,[illegible]  $0  $[illegible]  $717
 **454 CRS TOTALS        12    2    34    408    1   7.69                                 $717   $21.10     $1.76    $0.12
                                                                                                 $21.10     $1.76    $0.12
11455 WOODS III  2  02    4    1     7     28    1   2.56   $4,665          $0   $4,665     $119
 **455 CRS TOTALS         4    1     7     28    1   2.56                                 $119   $17.06     $4.27    $0.28
                                                                                                 $17.06     $4.27    $0.28
11462 MECH DRAW  4  04   16    3    41    656    1  10.26   $17,715         $0  $17,715   $1,817
 **462 CRS TOTALS        16    3    41    656    1  10.26                               $1,817   $44.33     $2.77    $0.18
                                                                                                 $44.33     $2.77    $0.18
11464 MECH DRAW2 4  04   16    1    14    224    1  10.26   $5,906          $0   $5,906     $605
 **464 CRS TOTALS        16    1    14    224    1  10.26                                 $605   $43.28     $2.70    $0.18
                                                                                                 $43.28     $2.70    $0.18
11465 MECH DR 3  4  03   12    1    11    132    1   7.69   $5,905          $0   $5,905     $454
 **465 CRS TOTALS        12    1    11    132    1   7.69                                 $454   $41.28     $3.44    $0.23
                                                                                                 $41.28     $3.44    $0.23
11466 MECH [illegible] 4 03 12 1    17    204    1   7.69   $5,905          $0   $5,905     $454
 **466 CRS TOTALS        12    1    17    204    1   7.69                                 $454   $26.71     $2.23    $0.15
                                                                                                 $26.71     $2.23    $0.15
11472 METALS 1   4  04   16    3    60    960    1  10.26   $17,394         $0  $17,394   $1,784
 **472 CRS TOTALS        16    3    60    960    1  10.26                               $1,784   $29.74     $1.86    $0.12
                                                                                                 $29.74     $1.86    $0.12
11474 METALS 2   4  04   16    1    10    160    1  10.26   $5,798          $0   $5,798     $594
 **474 CRS TOTALS        16    1    10    160    1  10.26                                 $594   $59.49     $3.72    $0.25
                                                                                                 $59.49     $3.72    $0.25
11476 METALS 3   5  03   15    1     4     60    1   6.42   $5,798          $0   $5,798     $557
 **476 CRS TOTALS        15    1     4     60    1   6.42                                 $557  $1[illegible].44  $9.30    $0.62
                                                                                                $1[illegible].44  $9.30    $0.62
11482 BASIC ELEC 4  04   16    2    22    352    1  10.26   $9,330          $0   $9,330     $957
 **482 CRS TOTALS        16    2    22    352    1  10.26                                 $957   $43.51     $2.72    $0.18
                                                                                                 $43.51     $2.72    $0.18
11484 ELECTRONIC 4  04   16    2    25    400    1  10.26   $9,330          $0   $9,330     $957
 **484 CRS TOTALS        16    2    25    400    1  10.26                                 $957   $38.29     $2.39    $0.16
                                                                                                 $38.29     $2.39    $0.16
11486 ELECTRON 2 6  02   12    1    10    120    1   7.69   $4,665          $0   $4,665     $359
 **486 CRS TOTALS        12    1    10    120    1   7.69                                 $359   $35.87     $2.99    $0.20
                                                                                                 $35.87     $2.99    $0.20
11491 CONS MECH  4  03   12    1    44    528    1   7.69   $5,025          $0   $5,025     $386
 **491 CRS TOTALS        12    1    44    528    1   7.69                                 $386    $8.76     $0.73    $0.05
                                                                                                  $8.76     $0.73    $0.05
11492 AUTO [illegible] 4 03 [illegible] [illegible] 136 1,632 2 7.69 $35,355   $0  $35,355   $2,[illegible]
 **492 CRS TOTALS   [illegible] [illegible] 136  1,632    2   7.69                          $2,[illegible]  $20.56  $1.71  $0.11
                                                                                                 $20.56     $1.71    $0.11
11494 AUTO MEC 2 4  03   12    1    26    312    1   7.69   $16,445         $0  $[illegible]  $[illegible]
 **494 CRS TOTALS        12    1    26    312    1   7.69                          $[illegible]  $[illegible]  $4.15   $0.28
                                                                                          $[illegible]  $4.15    $0.28
114[illegible] AUTO TRADE [illegible] [illegible] 12 [illegible] 9 [illegible] 1 7.69 $5,[illegible] $0 [illegible] [illegible]
 **[illegible] CRS TOTALS  12 [illegible]  9  [illegible]  1  [illegible]                 [illegible]  [illegible]  $2.49  $0.20
                                                                                          [illegible]  $2.[illegible]  $0.20
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DISTRICT [illegible]
BUILDING [illegible]      SCH[illegible]                                  [illegible]                    DATE MARCH 2, 1972
                                                                                                              PAGE NO. 15
PROGRAM AREA IND. ARTS     ASSIGNMENT [illegible]

                  ---------------[illegible]---------------  ---------------[illegible]---------------   ------CONTACT COSTS-------
 CRS                        [illegible]                                          [illegible]   COST OF        PER    ---PER PUPIL----
 NO.  COURSE-PHASE [illegible]                                                   [illegible]   CONTACT      PUPIL   PER MOD  PER MIN

****PROGRAM TOTALS           223  [illegible]  [illegible]  [illegible]                        [illegible]   $[illegible]   $2.33   $0.[illegible]
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[illegible] 0000             T E A C H I N G  [illegible]
[illegible] 000       S[illegible] PROGRESS CITY HIGH SCHOOL                                           DATE MARCH 2, 1972
PROGRAM AREA  PHYS. ED.    ASSIGNED NO. 11                                                                         PAGE NO  16

                   -----------INSTRUCTIONAL CONTACT-----------     -----------DIRECT COSTS-----------   -------CONTACT COSTS-------
 CRS                       ITT   NO     NO   PUPIL   NO  CONTACT              EXT          SALARY  COST OF    PER   ---PER PUPIL---
 NO  CRSE-PHASE  PRM MPC  MODS  SECS PUPILS  MODS  TCHRS PER CENT    SALARY    NP    VAL  & EXP    CONTACT    PUPIL  PER MOD  PER MIN
11502 PHY ED BOY   4  03   12     8    703   8,436    3   7.69   $157,400         $0  $157,400  $12,104   $17.22   $1.43   $0.10
**502 CRS TOTALS           12     8    703   8,436    3   7.69                                  $12,104   $17.22   $1.43   $0.10

11504 PHY ED BOY   4  03   12     1     53     636    3   7.69    $19,675         $0   $19,675   $1,513   $28.55   $2.38   $0.16
**504 CRS TOTALS           12     1     53     636    3   7.69                                   $1,513   $28.55   $2.38   $0.16

11512 P E 10G      4  03   12     4    116   1,392    1   7.69    $14,880         $0   $14,880   $1,144    $9.86   $0.82   $0.05
**512 CRS TOTALS           12     4    116   1,392    1   7.69                                   $1,144    $9.86   $0.82   $0.05

11514 P E 11G      4  03   12     3    277   3,324    1   7.69    $38,942         $0   $38,942   $2,995   $10.81   $0.90   $0.06
**514 CRS TOTALS           12     3    277   3,324    1   7.69                                   $2,995   $10.81   $0.90   $0.06

11516 P E 12G      4  03   12     4    173   2,076    1   7.69    $44,224         $0   $44,224   $3,400   $19.66   $1.64   $0.11
**516 CRS TOTALS           12     4    173   2,076    1   7.69                                   $3,400   $19.66   $1.64   $0.11

11912 P E 10G      4  03   12     4    105   1,260    1   7.69    $14,880         $0   $14,880   $1,144   $10.90   $0.91   $0.06
**912 CRS TOTALS           12     4    105   1,260    1   7.69                                   $1,144   $10.90   $0.91   $0.06

***PROGRAM TOTALS          72    24  1,427  17,124    7
                                                                                                $22,300   $15.63   $1.30   $0.09
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                                   TEACHER SALARY UTILIZATION BY PROGRAM AREA
DISTRICT 9999
BUILDING  999        SCHOOL NAME PROGRESS CITY HIGH SCHOOL                              71-72 2ND SEM                    DATE MARCH 2, 1972
                                                                                                                                  PAGE NO  17
PROGRAM AREA MUSIC INSTRU  ASSIGNED NO. 12

                      -------------INSTRUCTIONAL CONTACT-------------   ------------TEACHER COSTS------------   -------CONTACT COSTS-------
  CRS                              TOT   NO    NO    PUPIL  NO  CONTACT                  EXT         SALARY   COST OF     PER     ---PER PUPIL----
   NO  CRSE-PHASE      PPM MPL    MODS  SECS PUPILS   MODS TCHRS PER CNT       SALARY  CAP   OVHD   + OVHD    CONTACT    PUPIL    PER MOD  PER MIN
 11526 BAND             4  06      24     1    142   3,408    2  15.38      $11,343          $0   $11,343    $1,744    $12.29      $0.51    $0.03
 **526 CRS TOTALS                  24     1    142   3,408    2  15.38                                       $1,744    $12.29      $0.51    $0.03

 11528 ORCHESTRA        4  03      12     1     22     264    1   7.69       $4,148          $0    $4,148      $318    $14.50      $1.21    $0.08
 **528 CRS TOTALS                  12     1     22     264    1   7.69                                         $318    $14.50      $1.21    $0.08

 11530 FULL ORCH        4  02       8     1     39     312    1   5.13       $4,148          $0    $4,148      $212     $5.46      $0.68    $0.05
 **530 CRS TOTALS                   8     1     39     312    1   5.13                                         $212     $5.45      $0.68    $0.05

 11538 FLUTE I          2  02       4     1     10      40    1   2.56       $6,225          $0    $6,225      $159    $15.94      $3.98    $0.27
 **538 CRS TOTALS                   4     1     10      40    1   2.56                                         $159    $15.94      $3.98    $0.27

 11539 FLUTE 3          2  02       4     1      2       8    1   2.56       $5,118          $0    $5,118      $131    $65.51     $16.38    $1.09
 **539 CRS TOTALS                   4     1      2       8    1   2.56                                         $131    $65.51     $16.38    $1.09

 11540 FLUTE II         2  02       4     1      0       0    1   2.56       $5,118          $0    $5,118      $131     $0.00      $0.00    $0.00
 **540 CRS TOTALS                   4     1      0       0    1   2.56                                         $131     $0.00      $0.00    $0.00

 11542 OBOE             2  02       4     1      1       4    1   2.56       $6,225          $0    $6,225      $159   $159.36     $39.84    $2.66
 **542 CRS TOTALS                   4     1      1       4    1   2.56                                         $159   $159.36     $39.84    $2.66

 11543 BASSOON          2  02       4     1      1       4    1   2.56       $6,225          $0    $6,225      $159   $159.36     $39.84    $2.66
 **543 CRS TOTALS                   4     1      1       4    1   2.56                                         $159   $159.36     $39.84    $2.66

 11544 CLAR 1&2         2  02       4     1      9      36    2   2.56      $11,343          $0   $11,343      $290    $32.26      $8.07    $0.54
 **544 CRS TOTALS                   4     1      9      36    2   2.56                                         $290    $32.26      $8.07    $0.54

 11545 CLAR 3           2  02       4     1      4      16    1   2.56       $5,118          $0    $5,118      $131    $32.76      $8.19    $0.55
 **545 CRS TOTALS                   4     1      4      16    1   2.56                                         $131    $32.76      $8.19    $0.55

 11546 CLARINET 4       2  02       4     1      2       8    1   2.56       $5,118          $0    $5,118      $131    $65.51     $16.38    $1.09
 **546 CRS TOTALS                   4     1      2       8    1   2.56                                         $131    $65.51     $16.38    $1.09

 11547 CLARINETS        2  02       4     1      3      12    1   2.56       $5,118          $0    $5,118      $131    $43.67     $10.92    $0.73
 **547 CRS TOTALS                   4     1      3      12    1   2.56                                         $131    $43.67     $10.92    $0.73

 11550 ALTO CLART       2  02       4     1      3      12    1   2.56       $5,118          $0    $5,118      $131    $43.67     $10.92    $0.73
 **550 CRS TOTALS                   4     1      3      12    1   2.56                                         $131    $43.67     $10.92    $0.73

 11551 BASS CLART       2  02       4     1      4      16    1   2.56       $5,118          $0    $5,118      $131    $32.76      $8.19    $0.55
 **551 CRS TOTALS                   4     1      4      16    1   2.56                                         $131    $32.76      $8.19    $0.55

 11552 AL SAX 1&2       2  02       4     1      5      20    1   2.56       $6,225          $0    $6,225      $159    $31.87      $7.97    $0.53
 **552 CRS TOTALS                   4     1      5      20    1   2.56                                         $159    $31.87      $7.97    $0.53

 11554 TENOR SAX        2  02       4     1      1       4    1   2.56       $6,225          $0    $6,225      $159   $159.36     $39.84    $2.66
 **554 CRS TOTALS                   4     1      1       4    1   2.56                                         $159   $159.36     $39.84    $2.66

 11555 BARITONE S       2  02       4     1      0       0    1   2.56       $5,118          $0    $5,118      $131     $0.00      $0.00    $0.00
 **555 CRS TOTALS                   4     1      0       0    1   2.56                                         $131     $0.00      $0.00    $0.00
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                            T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   [illegible]   P R O G R A M   A R E A
 DISTRICT 9999
 BUILDING  999      SCHOOL NAME PROGRESS CITY HIGH SCHOOL                        71-72 [illegible]                       DATE MARCH 2, 1972
                                                                                                                                   PAGE NO  18
 PROGRAM AREA MUSIC INSTRU  ASSIGNED NO. 12

                     -------- ---INSTRUCTIONAL CONTACT--------------    ------------INSTRUCTIONAL COSTS-----------    ----------CONTACT COSTS-------
 CRS                             TOT   NO    NO    PUPIL   NO  CONTACT                  EXT              SAL +    COST PER       PER    ---PER PUPIL----
  NO  CRSE-PHASE    PPM MPC  MODS  SECS PUPILS  MODS  TCHRS PER CNT    SALARY  CMP     OVHD   + OVHD   CONTACT       PUPIL    PER MOD   PER MIN

 11556 CORNET 1       2  02     4     1     7     28     1   2.56    $5,118           $0    $5,118      $131      $18.72      $4.68     $0.31
 **556 CRS TOTALS               4     1     7     28     1   2.56                                       $131      $18.72      $4.68     $0.31

 11557 CORNET 2       2  02     4     1     2      8     1   2.56    $5,118           $0    $5,118      $131      $65.51     $16.38     $1.09
 **557 CRS TOTALS               4     1     2      8     1   2.56                                       $131      $65.51     $16.38     $1.09

 11558 CORNET D       2  02     4     1     2      8     1   2.56    $5,118           $0    $5,118      $131      $65.51     $16.38     $1.09
 **558 CRS TOTALS               4     1     2      8     1   2.56                                       $131      $65.51     $16.38     $1.09

 11560 HORN I         2  02     4     1     1      4     1   2.56    $6,225           $0    $6,225      $159     $159.36     $39.84     $2.66
 **560 CRS TOTALS               4     1     1      4     1   2.56                                       $159     $159.36     $39.84     $2.66

 11561 HORN 2         2  02     4     1     3     12     1   2.56    $6,225           $0    $6,225      $159      $53.12     $13.28     $0.89
 **561 CRS TOTALS               4     1     3     12     1   2.56                                       $159      $53.12     $13.28     $0.89

 11563 TROM 1 & 2     2  02     4     1     5     20     1   2.56    $6,225           $0    $6,225      $159      $31.87      $7.97     $0.53
 **563 CRS TOTALS               4     1     5     20     1   2.56                                       $159      $31.87      $7.97     $0.53

 11566 BARIT 1&2      2  02     4     1     6     24     1   2.56    $6,225           $0    $6,225      $159      $26.56      $6.64     $0.44
 **566 CRS TOTALS               4     1     6     24     1   2.56                                       $159      $26.56      $6.64     $0.44

 11568 TUBA 1 & 2     2  02     4     1     5     20     1   2.56    $6,225           $0    $6,225      $159      $31.87      $7.97     $0.53
 **568 CRS TOTALS               4           5     20     1   2.56                                       $159      $31.87      $7.97     $0.53

 11570 DRUM 1         2  02     4     1    12     48     1   2.56    $6,225           $0    $6,225      $159      $13.28      $3.32     $0.22
 **570 CRS TOTALS               4     1    12     48     1   2.56                                       $159      $13.28      $3.32     $0.22

 11571 DRUMS 2&3      2  02     4     1     0      0     1   2.56    $5,118           $0    $5,118      $131       $0.00      $0.00     $0.00
 **571 CRS TOTALS               4     1     0      0     1   2.56                                       $131       $0.00      $0.00     $0.00

 11575 VIOLIN I       2  01     2     1     3      6     1   1.28    $4,148           $0    $4,148       $53      $17.70      $8.85     $0.59
 **575 CRS TOTALS               2     1     3      6     1   1.28                                        $53      $17.70      $8.85     $0.59

 11576 VIOLIN II      2  01     2     1     0      0     1   1.28    $4,148           $0    $4,148       $53       $0.00      $0.00     $0.00
 **576 CRS TOTALS               2     1     0      0     1   1.28                                        $53       $0.00      $0.00     $0.00

 11577 VIOLIN III     2  01     2     1     1      2     1   1.28    $4,148           $0    $4,148       $53      $53.09     $26.55     $1.77
 **577 CRS TOTALS               2     1     1      2     1   1.28                                        $53      $53.09     $26.55     $1.77

 11581 VIOLA          2  01     2     1     3      6     1   1.28    $4,148           $0    $4,148       $53      $17.70      $8.85     $0.59
 **581 CRS TOTALS               2     1     3      6     1   1.28                                        $53      $17.70      $8.85     $0.59

 11583 CELLO I        2  01     2     1     6     12     1   1.28    $4,148           $0    $4,148       $53       $8.85      $4.42     $0.29
 **583 CRS TOTALS               2     1     6     12     1   1.28                                        $53       $8.85      $4.42     $0.29

 11584 CELLO II       2  01     2     1     0      0     1   1.28    $4,148           $0    $4,148       $53       $0.00      $0.00     $0.00
 **584 CRS TOTALS               2     1     0      0     1   1.28                                        $53       $0.00      $0.00     $0.00

 [illegible]             01     2     1  [illegible] [illegible] 1 1.28 [illegible]  [illegible] [illegible] [illegible] [illegible]  $8.85  $0.59
 [illegible]                    2     1  [illegible] [illegible] 1 1.28                                  [illegible] [illegible]     $8.85     $0.59
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DISTRICT [illegible]
BUILDING [illegible]        NAME PROGRESS CITY HIGH SCHOOL                        71-72 2ND SEM                  DATE MARCH 2, 1972 *
                                                                                                                          PAGE NO 19
PROGRAM AREA MUSIC [illegible] ASSIGNED [illegible]

                       -----------INSTRUCTION  CONTACT-----------  ---------------OTHER COSTS-------------    ------CONTACT COSTS-------
 CRS                      F/E   NO    TO   PUPIL   AV  CONTACT                 EXT              SAFETY  COST OF      PER    ---PER PUPIL----
 NO  COURSE-PHASE PRM MAC MODS SECS PUPILS  MODS TCHRS PER CNT     SALARY  EXP   VHC   & VHC   CONTACT      PUPIL   PER MOD  PER MIN

****PROGRAM TOTALS          154   36   307   4,344   3
                                                                                          $6,263     $20.40    $1.43    $0.10
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                                T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
DISTRICT 9999                                                                                                         DATE MARCH 2, 1972
BUILDING  999       SCHOOL NAME PROGRESS CITY HIGH SCHOOL                            71-72 2ND SEM                        PAGE NO  20

PROGRAM AREA MUSIC VOCAL    ASSIGNED NO. 13

                        ------------INSTRUCTIONAL CONTACT------------  -------------TEACHER COSTS-------------  -------CONTACT COSTS-------
 CRS                             TOT   NO     NO   PUPIL   NO  CONTACT              EXT         SALARY  COST OF     PER    ---PER PUPIL----
  NO  CRSE-PHASE PPW MPC MODS SECS PUPILS   MODS TCHRS PER CNT    SALARY CMP   OVHD  + OVHD  CONTACT     PUPIL   PER MOD  PER MIN

 11534 MIXED CHOR  3  06   18    1     85   1,530    2  11.54   $12,450          $0  $12,450   $1,436    $16.90     $0.94    $0.06
 **534 CRS TOTALS          18    1     85   1,530    2  11.54                                 $1,436    $16.90     $0.94    $0.06

 11536 CONCERT CH  4  06   24    1     83   1,992    1  15.38    $6,225          $0   $6,225     $957    $11.54     $0.48    $0.03
 **536 CRS TOTALS          24    1     83   1,992    1  15.38                                   $957    $11.54     $0.48    $0.03

 11588 SOP TECH    2  02    4    1     27     108    1   2.56    $6,225          $0   $6,225     $159     $5.90     $1.48    $0.10
 **588 CRS TOTALS           4    1     27     108    1   2.56                                   $159     $5.90     $1.48    $0.10

 11589 ALTO TECH   2  02    4    1     12      48    1   2.56    $6,225          $0   $6,225     $159    $13.28     $3.32    $0.22
 **589 CRS TOTALS           4    1     12      48    1   2.56                                   $159    $13.28     $3.32    $0.22

 11590 TENOR TECH  2  02    4    1      3      12    1   2.56    $6,225          $0   $6,225     $159    $53.12    $13.28    $0.89
 **590 CRS TOTALS           4    1      3      12    1   2.56                                   $159    $53.12    $13.28    $0.89

 11591 BASS TECH   2  02    4    1      6      24    1   2.56    $6,225          $0   $6,225     $159    $26.56     $6.64    $0.44
 **591 CRS TOTALS           4    1      6      24    1   2.56                                   $159    $26.56     $6.64    $0.44

 11594 SOP TECH    2  02    4    1     15      60    1   2.56    $6,225          $0   $6,225     $159    $10.62     $2.66    $0.18
 **594 CRS TOTALS           4    1     15      60    1   2.56                                   $159    $10.62     $2.66    $0.18

 11595 ALTO TECH   2  02    4    1     17      68    1   2.56    $6,225          $0   $6,225     $159     $9.37     $2.34    $0.16
 **595 CRS TOTALS           4    1     17      68    1   2.56                                   $159     $9.37     $2.34    $0.16

 11596 TENOR TECH  2  02    4    1      9      36    1   2.56    $6,225          $0   $6,225     $159    $17.71     $4.43    $0.30
 **596 CRS TOTALS           4    1      9      36    1   2.56                                   $159    $17.71     $4.43    $0.30

 11597 BASS TECH   2  02    4    1     10      40    1   2.56    $6,225          $0   $6,225     $159    $15.94     $3.98    $0.27
 **597 CRS TOTALS           4    1     10      40    1   2.56                                   $159    $15.94     $3.98    $0.27


***PROGRAM TOTALS          74   10    267   3,918    2                                        $3,665    $13.74     $0.94    $0.06
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DISTRICT 5000                                                                                        DATE MARCH 2, 1972
BUILDING 000      SCHOOL [illegible] HIGH SCHOOL                 [illegible]                          PAGE NO  21

PROGRAM AREA DRIVER EDUC.  [illegible]

              ------------[illegible]------------  ------------[illegible] COSTS------------  -------CONTACT COSTS-------
 CRS                 TOT                                          [illegible]      SALARY   COST OF     PER     ---PER PUPIL----
 NO  COURSE-PHASE [illegible]                                  [illegible]          [illegible]          PUPIL   PER HOUR  PER MIN

31600 DRIVER ED   4 [illegible]                               [illegible]   10 $72,[illegible]  $[illegible]   $7.[illegible]    $0.74     $0.05
32600 DRIVER ED   4 01  [illegible]                           $67,[illegible]  [illegible] $67,[illegible]  $1,72[illegible]  $[illegible]   $2.56     $0.17
33600 DRIVER ED   4 01    4  [illegible]  175                 $23[illegible]   [illegible] $235,375  $[illegible],025  $34.4[illegible]   $[illegible].61    $0.57
**600 CRS TOTALS         17  [illegible]  2[illegible]7  3,[illegible]                     $[illegible]  $2[illegible]   $2.55     $0.17

31700 DRIVER ED   4 01    4                                    [illegible]   [illegible]  $1,085   $15.75    $3.94     $0.26
33700 DRIVER ED   4 01    4                                    [illegible]   [illegible]  $[illegible]  $54.72   $13.68     $0.91
**700 CRS TOTALS          4                                                 $7,59[illegible]  $70.[illegible]   $[illegible]     $0.59

32800 DRIVER ED   4 01    4                                    [illegible]   [illegible]  $437  $19.[illegible]    $4.33     $0.32
33800 DRIVER ED   4 01    4                                    [illegible]   [illegible] $124,[illegible]  $[illegible]   $72.44   $1[illegible].11     $1.21
**800 CRS TOTALS                                                            $3,874   $86.92   $12.42     $0.83

***PROGRAM TOTALS                                                          $27,062   $50.27    $4.26     $0.28
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DISTRICT 9999                T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
BUILDING  999       SCHOOL NAME PROGRESS CITY HIGH SCHOOL                                71-72 2ND SEM            DATE MARCH 2, 1972
                                                                                                                        PAGE NO  22
PROGRAM AREA TRADES & IND  ASSIGNED FOR 15

                   ------------INSTRUCTIONAL CONTACT------------   --------------TEACHER COSTS---------------   -------CONTACT COSTS-------
 CRS                         TOT   NO    NO   PUPIL   NO  CONTACT              EXT             SALARY   COST OF      PER     ---PER PUPIL----
 NO   CASE-PHASE  PRM MPC  MODS  SECS PUPILS  MODS  TCHRS PER CNT   SALARY CMP    OVHD   + OVHD   CONTACT      PUPIL    PER MOD  PER MIN

21642 T & I         3  03     9     1    27     243    1    4.77    $6,493           $0   $6,493      $374     $13.86     $1.54    $0.10
22642 T & I         2  02     4     1    27     108    1    2.56    $6,493           $0   $6,493      $166      $6.16     $1.54    $0.10
**642 CRS TOTALS             13     2    27     351    1    8.33                                       $540     $20.03     $1.54    $0.10

21650 OUT WORK      5  06    30     1    45   1,350    1   15.23        $0           $0       $0        $0      $0.00     $0.00    $0.00
22650 OUT WORK      5  06    30     1    46   1,380    1   15.23        $0           $0       $0        $0      $0.00     $0.00    $0.00
**650 CRS TOTALS             60     2    46   2,730    1   30.46                                         $0      $0.00     $0.00    $0.00

21742 T & I         2  02     4     1    35     140    1    2.56    $6,493           $0   $6,493      $166      $4.75     $1.19    $0.08
22742 T & I         3  03     9     1    35     315    1    5.77    $6,493           $0   $6,493      $374     $10.70     $1.19    $0.08
**742 CRS TOTALS             13     2    35     455    1    8.33                                       $540     $15.45     $1.19    $0.08

21750 OUT WORK      4  04    24     1   100   2,400    1   15.38        $0           $0       $0        $0      $0.00     $0.00    $0.00
22750 OUT WORK      4  04    24     1   100   2,400    1   15.38        $0           $0       $0        $0      $0.00     $0.00    $0.00
**750 CRS TOTALS             48     2   100   4,800    1   30.77                                         $0      $0.00     $0.00    $0.00

21850 OUT WORK      5  05    30     1     5     150    1 [illegible]    $0           $0       $0        $0      $0.00     $0.00    $0.00
22850 OUT WORK      3  03 [illegible] 1 [illegible] [illegible] 1 3.03  $0           $0       $0        $0      $0.00     $0.00    $0.00
**850 CRS TOTALS   [illegible]                                                                           $0      $0.00     $0.00    $0.00

***PROGRAM TOTALS           164    10   214  [illegible]  1
                                                                                                     $1,081      $5.05     $0.13    $0.01
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DISTRICT 9999                T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
BUILDING  999       SCHOOL NAME PROGRESS CITY HIGH SCHOOL                                71-72 2ND SEM            DATE MARCH 2, 1972
                                                                                                                        PAGE NO  23
PROGRAM AREA [illegible]  ASSIGNED FOR 14

                   ------------INSTRUCTIONAL CONTACT------------   --------------TEACHER COSTS---------------   -------CONTACT COSTS-------
 CRS                         TOT   NO    NO   PUPIL   NO  CONTACT              EXT             SALARY   COST OF      PER     ---PER PUPIL----
 NO   CASE-PHASE  PRM MPC  MODS  SECS PUPILS  MODS  TCHRS PER CNT   SALARY CMP    OVHD   + OVHD   CONTACT      PUPIL    PER MOD  PER MIN

[illegible]         4  01     4 [illegible] 17   68    1 [illegible] [illegible] [illegible] [illegible] $101 [illegible] $1.49 $0.10
[illegible]   [illegible]    20 [illegible] 17  340    1 [illegible] [illegible]  $0 [illegible] [illegible] [illegible] $2.99 $0.20
**[illegible] CRS TOTALS     24 [illegible] 17  408    1 [illegible]                              [illegible] [illegible]  $2.74    $0.18

***PROGRAM TOTALS            24 [illegible]  17 [illegible]
                                                                                                 [illegible] [illegible] [illegible] [illegible]
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C

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                                T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
DISTRICT 9999                                                                                                        DATE MARCH 2, 1972
BUILDING  999     SCHOOL NAME PROGRESS CITY HIGH SCHOOL                              71-72 2ND SEM                              PAGE NO  24

PROGRAM AREA D.E. COOP     ASSIGNED [illegible]

                ------------INSTRUCTIONAL CONTACT------------   ---------------TEACHER COSTS---------------   -------CONTACT COSTS-------
 CRS                            TOT   NO    NO   PUPIL  NO  CONTACT             EXT            SALARY  COST OF      PER     ---PER PUPIL----
  NO   CRSE-PHASE RM  MOD  MODS  SETS PUPILS  MODS TCHRS PER CNT   SALARY CMP   OVHD   & OVHD  CONTACT    PUPIL    PER MOD  PER MIN

 21612 D.E REL     5  03   18    1     25    375    1   9.62    $3,673         $0  $3,673     $353    $14.13      $0.94    $0.06
 22612 D E REL     7  03    6    1     25    225    1   5.77    $3,673         $0  $3,673     $211     $8.48      $0.94    $0.06
 **612 CRS TOTALS          24    2     25    600    1  15.39                                   $565    $22.61      $0.94    $0.06

 21711 D E REL     5  03   18    1      0      0    1   9.62    $6,098         $0  $6,098     $586     $0.00      $0.00    $0.00
 22711 D E REL     5  03    6    1      0      0    1   5.77    $6,098         $0  $6,098     $351     $0.00      $0.00    $0.00
 **711 CRS TOTALS          24    2      0      0    1  15.39                                   $937     $0.00      $0.00    $0.00

 21712 D E REL     5  03   18    1     31    465    1   9.62    $6,098         $0  $6,098     $586    $18.92      $1.26    $0.08
 22712 D E REL     7  03    6    1     34    306    1   5.77    $6,098         $0  $6,098     $351    $10.35      $1.15    $0.08
 **712 CRS TOTALS          24    2     34    771    1  15.39                                   $938    $27.60      $1.22    $0.08

***PROGRAM TOTALS          72    6     59  1,371    3                                        $2,442    $41.39      $1.78    $0.12
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D

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                                T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
DISTRICT 9999                                                                                                        DATE MARCH 2, 1972
BUILDING  999     SCHOOL NAME PROGRESS CITY HIGH SCHOOL                              71-72 2ND SEM                              PAGE NO  25

PROGRAM AREA AG. OCCUP.     ASSIGNED [illegible]

                ------------INSTRUCTIONAL CONTACT------------   ---------------TEACHER COSTS---------------   -------CONTACT COSTS-------
 CRS                            TOT   NO    NO   PUPIL  NO  CONTACT             EXT            SALARY  COST OF      PER     ---PER PUPIL----
  NO   CRSE-PHASE RM  MOD  MODS  SETS PUPILS  MODS TCHRS PER CNT   SALARY CMP   OVHD   & OVHD  CONTACT    PUPIL    PER MOD  PER MIN

 11624 AG OCC      6  03   12    1      7     84    1   7.69    $4,488         $0  $4,488     $345    $49.30      $4.11    $0.27
 **624 CRS TOTALS          12    1      7     84    1   7.69                                   $345    $49.30      $4.11    $0.27

***PROGRAM TOTALS          12    1      7     84    1
                                                                                               $345    $49.30      $4.11    $0.27
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                            T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
DISTRICT 9999                                                                                                   DATE MARCH 2, 1972
BUILDING  999       SCHOOL NAME PROGRESS CITY HIGH SCHOOL                          71-72 SCHOOL YEAR                  PAGE NO  26

PROGRAM AREA WORK-STUDY     ASSIGNED NO. 14

                   -------------INSTRUCTIONAL CONTACT-------------   ---------------TEACHER COSTS---------------   -------CONTACT COSTS-------
  CRS                          TOT   MOD    NO   PUPIL    #   CONTACT            EXT              SALARY  COST OF      PER    ---PER PUPIL----
  NO  COURSE-PHASE PRY MPC MODS SECS PUPILS  MODS TCHRS PER CNT     SALARY CNT      OVHD    + OVHD  CONTACT     PUPIL   PER MOD  PER MIN

 11652 WORK ST 1    2  04   18    2     20    360    2  11.54     $8,878            $0    $8,878   $1,024    $51.21     $2.84    $0.19
 **652 CRS TOTALS           18    2     20    360    2  11.54                                      $1,024    $51.21     $2.94    $0.19

 21654 WORK ST 2    2  04    8    1     12     96    1   5.13     $4,349            $0    $4,349     $223    $18.59     $2.32    $0.15
 22654 WORK ST. 2   8  04   48    1      3     96    1  30.77     $4,579            $0    $4,579   $1,387   $462.56    $14.45    $0.96
 **654 CRS TOTALS           56    2     15    192    2  35.90                                      $1,610   $134.18     $8.39    $0.56

 21656 WORK ST 3    2  04   12    1     13    156    1   7.69     $4,508            $0    $4,508     $346    $26.67     $2.22    $0.15
 22656 WORK ST 3    8  04   48    1      3    144    1  30.77     $4,378            $0    $4,378   $1,331   $443.91     $9.25    $0.62
 **656 CRS TOTALS           60    2     16    300    2  38.46                                      $1,678   $120.11     $5.59    $0.37

 11652 W S MATH 1   3  04   18    2     19    342    2  11.54     $8,878            $0    $8,878   $1,024    $53.90     $2.99    $0.20
 **652 CRS TOTALS           18    2     19    342    2  11.54                                      $1,024    $53.90     $2.99    $0.20

 17654 HEALTH       2  05   10    1     10    100    1   6.41     $4,344            $0    $4,344     $279    $27.97     $2.79    $0.19
 **654 CRS TOTALS           10    1     10    100    1   6.41                                        $279    $27.97     $2.79    $0.19

 11652 WK S MATH2   3  04   12    1     11    132    1   7.69     $4,344            $0    $4,344     $334    $30.40     $2.53    $0.17
 **652 CRS TOTALS           12    1     11    132    1   7.69                                        $334    $30.40     $2.53    $0.17

***PROGRAM TOTALS          174   [illegible] [illegible] 1,420 [illegible]                          $5,944    $70.00     $4.17    $0.28
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DISTRICT 9999
BUILDING 999        [illegible]                                      71-72 [illegible] SEM              DATE MARCH 2, 1972
                                                                                                          PAGE NO. 27
PROGRAM AREA OTHER         ASSIGNED [illegible]

                     ------------INSTRUCTIONAL [illegible]----------   -------------TEACHER COSTS------------   -------CONTACT COSTS-------
 CRS                        T T  [illegible]                                      EXT          SALARY  COST OF      PER     ---PER PUPIL----
 NO   CRSE-PHASE [illegible]                                          SALARY  CRS    VHS    + VHS   CONTACT     PUPIL   PER MOD  PER MIN

 11673 [illegible]       3  01   [illegible]                          [illegible]          $0  $34,4[illegible]  $[illegible]     $1.27    $0.42    $0.03
 **673 CRS TOTALS                [illegible]                                                                 $[illegible]1    $1.27    $0.42    $0.03

 11674 [illegible] II    3  01   [illegible]               2  [illegible]  $32,974          $0  $32,974  $[illegible]    $1.14    $0.38    $0.03
 **674 CRS TOTALS                [illegible]               2  [illegible]                                    $[illegible]25   $1.14    $0.38    $0.03

 11676 [illegible]ENT III   3 01 [illegible]  1,[illegible]   1  1.[illegible]  $[illegible],745   $0  $[illegible],745  $360   $0.98    $0.33    $0.02
 **676 CRS TOTALS                [illegible]  1,[illegible]   1  [illegible]                               $360    $0.98    $0.33    $0.02

 11680 SI COUNC     3  01   [illegible]      47   [illegible]  1.[illegible]  $7,[illegible]       $[illegible]  [illegible]  $69     $4.97    $1.66    $0.11
 **680 CRS TOTALS               [illegible]      47   [illegible]                                            $69     $4.97    $1.66    $0.11

MAXIMUM PROGRAM AREAS [illegible]
 11930 H EC TEAM    1  03   [illegible]       0.33   $0        $0       $0        $0      $0.00    $0.00    $0.00
 **930 CRS TOTALS               [illegible]       0.33                                  $0      $0.00    $0.00    $0.00

MAXIMUM PROGRAM [illegible]
 11931 I A TEAM     1  03   [illegible]                  $0        $0       $0        $0      $0.00    $0.00    $0.00
 **931 CRS TOTALS               [illegible]                                             $0      $0.00    $0.00    $0.00

 11933 US H TEAM    [illegible] 03  [illegible]      [illegible]   $0  $26,023   $4[illegible]   $0.00    $0.00    $0.00
 **933 CRS TOTALS               [illegible]                                             $4[illegible]   $0.00    $0.00    $0.00

 11953 [illegible] TEAM   [illegible] 03  [illegible]   $[illegible],[illegible]01   $0  $[illegible],101  $116   $0.00    $0.00    $0.00
 **953 CRS TOTALS               [illegible]                                             $116    $0.00    $0.00    $0.00

 11962 FLEX TEAM    [illegible] 03  [illegible]       $7,[illegible]         $0  $7,[illegible]   $9[illegible]   $0.00    $0.00    $0.00
 **962 CRS TOTALS               2  [illegible]                                          $9[illegible]   $0.00    $0.00    $0.00

 11963 COMP TEAM    [illegible] 03  [illegible]     $[illegible]        $0  $[illegible]    $[illegible]   $0.00    $0.00    $0.00
 **963 CRS TOTALS               [illegible]                                             $[illegible]   $0.00    $0.00    $0.00

 11964 [illegible] TEAM   [illegible] 01  [illegible]     [illegible]413   $0  $[illegible]   $[illegible]46   $0.00    $0.00    $0.00
 **964 CRS TOTALS               2  [illegible]                                          $146    $0.00    $0.00    $0.00

 11965 [illegible] TEAM   3  01  [illegible]     $[illegible],783   $0  $[illegible],783   $137   $0.00    $0.00    $0.00
 **965 CRS TOTALS               2  [illegible]                                          $137    $0.00    $0.00    $0.00

 11966 [illegible] TEAM   [illegible] 01  [illegible]   $7,[illegible]   $0  $[illegible]   $[illegible]   $0.00    $0.00    $0.00
 **966 CRS TOTALS               [illegible]                                             $[illegible]   $0.00    $0.00    $0.00

 11967 [illegible] TEAM   3  01  [illegible]     $[illegible]         $[illegible]  $[illegible]  $[illegible]  $0.0[illegible]  $[illegible]  $0.00
 **967 CRS TOTALS               [illegible]                                             $[illegible]   $0.0[illegible]  $0.[illegible]  $0.00

 11968 ALG TEAM     2  01   2 [illegible]    $[illegible]        $0  $[illegible]   $[illegible]   $0.00    $0.00    $0.00
 **968 CRS TOTALS               2  [illegible]                                          $[illegible]   $0.00    $0.00    $0.00

****PROGRAM TOTALS        [illegible]                                                   $[illegible]   $[illegible]   $0.[illegible]   $0.0[illegible]
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AA

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                          T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
DISTRICT 9999
BUILDING  999      SCHOOL NAME PROGRESS CITY HIGH SCHOOL                    71-72 2ND SEM                     DATE MARCH 2, 1972
                                                                                                                   PAGE NO  23
PROGRAM AREA SCHOOL TOTAL  (SCTOTAL)   . 00

                        ------------INSTRUCTIONAL CONTACT------------  -------------TEACHER COSTS-------------   -------CONTACT COSTS-------
 CRS                         TOT   TOT   TOT   PUPIL   TOT  CONTACT          EXT             SALARY  COST OF       PER    ---PER PUPIL----
  NO.  COURSE-PHASE PER MOD MODS SECS PUPILS   MODS TCHRS PCNT    SALARY CMP   CVHD    + CVHD  CONTACT     PUPIL   PER MOD  PER MIN

****SCHOOL TOTALS         2,88[illegible] 4[illegible] [illegible] 1[illegible] 11[illegible]                              $[illegible]3,109   $178.51    $1.99   $0.13
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BB

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                  S U M M A R Y   O F   T E A C H E R   S A L A R Y   U T I L I Z A T I O N   B Y   P R O G R A M   A R E A
DISTRICT 9999
BUILDING  999      SCHOOL NAME PROGRESS CITY HIGH SCHOOL                      71-72 2ND SEM                   DATE MARCH 2, 1972
                                                                                                                 PAGE NO   1
               ------------INSTRUCTIONAL CONTACT------------    ----------------TEACHER COSTS----------------    -----CONTACT COSTS------
                TOT    TOT   TOT      PUPIL  TOT CONTACT                EXT              SALARY     COST OF      PER    ---PER PUPIL---
PROGRAM AREA    MODS   SECS PUPILS    MODS TCHRS  PCNT        SALARY CMP      CVHD       + CVHD     CONTACT     PUPIL   PER MOD PER MIN

LANG. ARTS      278    175  1,647   20,912   19
FOREIGN LANG    204     40    391    4,816    7                                                  $49,651     $30.27    $2.38    $.16
SOC. SCIENCE    144     93  1,437   17,879   16                                                  $13,968     $35.63    $2.90    $.19
MATHEMATICS     193     52    813   10,448   10                                                  $35,405     $24.72    $1.98    $.13
SCIENCE         151     48    792   13,810   11                                                  $28,213     $35.93    $2.74    $.18
BUS. EDUC.      218     57    538    6,774    7                                                  $27,783     $35.08    $2.01    $.13
HOME ECON.      143     51    555    7,229    7                                                  $14,142     $28.10    $2.10    $.14
ART             102     12    296    4,144    5                                                  $14,552     $26.40    $2.03    $.14
VOC. AGRIC.      75     12    [illegible]    3,728    [illegible]                                                   $8,044     $34.09    $1.93    $.13
IND. ARTS       223     38    [illegible]    7,616    7                                                   $4,542     $40.02    $2.48    $.17
 PHYS. ED.       71     34  1,427   17,124    7                                                  $17,752     $30.56    $2.33    $.16
MUSIC INSTRU    156     54    [illegible]    4,[illegible]    5                                                  $22,301     $15.63    $1.30    $.09
MUSIC VOCAL      74     10    247    3,[illegible]    2                                                   $6,243     $20.40    $1.43    $.10
DRIVER EDUC.     33    [illegible]    415    4,443    6                                                   $3,659     $13.74    $.94     $.06
TRADES & IND    154     10    274    3,514    3                                                  $21,042     $50.27    $4.26    $.28
COOP OFF ED      24      [illegible]     [illegible]      428    1                                                   $1,081      $5.05    $.13     $.01
D.E. COOP        72      [illegible]     [illegible]    1,471    [illegible]                                                   $1,118     $45.77    $2.74    $.18
AG. OCCUP.       12      [illegible]     [illegible]       44    1                                                   $2,442     $41.79    $1.78    $.12
WORK-STUDY      174      [illegible]     [illegible]    1,418    [illegible]                                                     $945     $49.32    $4.11    $.27
OTHER            35     [illegible]  1,474    4,763   24                                                   $[illegible]     $70.00    $4.17    $.28
                                                                                                     $[illegible]     $30.45    $.92     $.05
SCHOOL TOTAL  2,88[illegible]    4[illegible]  [illegible]   [illegible]   11[illegible]
                                                                                                   $[illegible]    $178.51    $1.99    $.13
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Distribution of Teacher Salaries by Program Area

The descriptions of the data items included in this report are:

1. DISTRICT - The number assigned to the district by the SDPI
2. BUILDING - The number assigned to the school by the SDPI
3. PROGRAM AREA - A major division of instruction such as Language, Math-Science, etc.
4. TCHR NO - The teacher sequence number assigned by the flexible scheduling system to uniquely identify each teacher included in the schedule
5. TEACHER NAME - The name of the teacher which corresponds to the TCHR NO described in (4) above
6. TEACHER SALARY - The regular annual salary as reported on the IPSEDS file for the teacher identified in (5) and (6) above
7. EXT CMP - A code number [2 or 5] from the IPSEDS file which indicates if the TEACHER SALARY (6) includes an amount of Extra Compensation which cannot be extracted without further information
8. OVERHEAD - A school supplied overhead value in the form of fringe benefits added to salary
9. SALARY + OVERHEAD = TEACHER SALARY (6) + OVERHEAD (8)
10. INSTRUCTIONAL CONTACT - Data pertaining to structured (in-class) teacher time and cost
    - A. MODS - The sum of the number of mods spent by a teacher in this program area in actual classroom contact
    - B. % MODS (10A) ÷ Total mods in the cycle
    - C. COST = %(10B) X SALARY + OVERHEAD (9)
11. COORDINATING & PLANNING - The cost of the teacher's non-structured time, i.e., SALARY + OVERHEAD (9) - COST (10C)
12. SPLIT PROG - An [X] indicates this teacher teaches in more than one program area and therefore additional cost figures are included in other program area reports

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                 DISTRIBUTION OF TEACHER SALARIES BY PROGRAM AREA
DISTRICT 9999                                                                   DATE MARCH 2, 1972
BUILDING  999    SCHOOL NAME PROGRESS CITY HIGH SCHOOL          71-72 2ND SEM          PAGE NO   1

PROGRAM AREA LANG. ARTS     ASSIGNED NO. 01

 TCHR   TEACHER          TEACHER   EXT               SALARY +     ----INSTRUCTIONAL CONTACT----     COORD. AND  SPLIT
  NO    NAME              SALARY   CMP   OVERHEAD    OVERHEAD      MODS     PCNT        COST       PLANNING    PROG

  000                        $0            $0           $0          76    73.08          $0             $0      X
  004                    $4,953            $0       $4,953         105    67.31      $3,333         $1,634
  009                    $4,953            $0       $4,953         101    64.74      $3,206         $1,634      X
  012                    $5,528            $0       $5,528         112    71.79      $3,968         $1,493      X
  019                    $3,790            $0       $3,790         105    67.31      $2,551         $1,251      X
  023                    $6,945            $0       $6,945          98    62.82      $4,362         $2,639
  033                    $4,010            $0       $4,010          65    41.67      $1,670         $2,326      X
  039                    $3,600            $0       $3,600          97    62.18      $2,238         $1,332      X
  043                    $5,275            $0       $5,275         105    67.31      $3,550         $1,741
  050                    $5,528            $0       $5,528         108    69.23      $3,827         $1,714      X
  052                    $4,148            $0       $4,148         100    64.10      $2,658         $1,410      X
  056                    $5,905            $0       $5,905         106    67.95      $4,012         $1,772      X
  059                    $5,575            $0       $5,575          12     7.69        $429         $5,185
  064                    $3,673            $0       $3,673         104    66.67      $2,449         $1,139      X
  074                    $3,965            $0       $3,965          92    58.97      $2,338         $1,665      X
  [illegible]            $6,225            $0       $6,225         105    67.31      $4,190         $2,054      X
  [illegible]            $4,448            $0       $4,448          84    53.85      $2,395         $1,939      X
  10[illegible]          $3,673            $0       $3,673         104    66.67      $2,448         $1,139      X

PROGRAM AREA TOTALS     $82,804            $0      $82,804       1,679    56.37     $49,210        $32,067
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                 DISTRIBUTION OF TEACHER SALARIES BY PROGRAM AREA
DISTRICT 9999                                                                   DATE MARCH 2, 1972
BUILDING  999    SCHOOL NAME PROGRESS CITY HIGH SCHOOL          71-72 2ND SEM          PAGE NO   2

PROGRAM AREA FOREIGN LANG  ASSIGNED NO. 02

 TCHR   TEACHER          TEACHER   EXT               SALARY +     ----INSTRUCTIONAL CONTACT----     COORD. AND  SPLIT
  NO    NAME              SALARY   CMP   OVERHEAD    OVERHEAD      MODS     PCNT        COST       PLANNING    PROG

  000                        $0            $0           $0          12     7.69          $0             $0      X
  015                    $4,148            $0       $4,148          86    55.13      $2,286         $1,867      X
  024                    $4,348            $0       $4,348          80    51.28      $2,229         $2,131      X
  027                    $6,133            $0       $6,133          18    11.54        $707         $5,458      X
  029                    $4,148            $0       $4,148         100    64.10      $2,658         $1,493
  033                    $6,725            $0       $6,725          66    42.31      $2,845         $3,901
  077                    $5,615            $0       $5,615          90    57.69      $3,239         $2,414      X

PROGRAM AREA TOTALS     $31,117            $0      $31,117         452    41.39     $13,879        $17,264
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                    D I S T R I B U T I O N   O F   T E A C H E R   S A L A R I E S   B Y   P R O G R A M   A R E A
DISTRICT 9999                                                                                        DATE MARCH 2, 1972
BUILDING  999      SCHOOL NAME PROGRESS CITY HIGH SCHOOL            71-72 2ND SEM                          PAGE NO   3

PROGRAM AREA SOC. SCIENCE  ASSIGNED [illegible]

 TCHR    TEACHER          TEACHER   EXT                  SALARY +      ----INSTRUCTIONAL CONTACT----        COORD. AND  SPLIT
  NO     NAME             SALARY    PAY    OVERHEAD      OVERHEAD       MODS     PCNT         COST          PLANNING    PROG

  000                          $0               $0            $0          4?    ?.77           $0               $0       x
  002                     $5,11?               $0        $5,118         1?6  100.00       $5,118              $51       x
  018                     $5,61?               $0        $5,615           ?   15.??         $863           $4,660       X
  037                     $6,???               $0        $6,225         1??  100.00       $6,225              $62       X
  042                     $5,760               $0        $5,760          7?   50.00       $2,880           $2,880       X
  045                     $5,???               $0        $5,??8          ??   44.2?       $2,361           $2,989
  057                     $5,???               $0        $5,??8          ??   4?.4?       $2,???           $2,243       X
  063                     $6,2??               $0        $6,275          47   55.77       $3,471           $2,801       X
  068                     $3,94?               $0        $3,945          ??   57.??       $2,??8           $1,653       x
  069                     $4,???               $0        $4,???           9    ?.77         $???           $3,028       x
  074                     $5,27?               $0        $5,27?          44   ??.??       $1,4??           $3,593       X
  081                     $6,945               $0        $6,945          ??    ?.4?         $445           $6,528
  084                     $5,52?               $0        $5,528          78   50.00       $2,764           $2,764
  097                     $4,50?               $0        $4,50?         1??   71.75       $3,2??           $1,307       X
  099                     $4,84?               $0        $4,84?           9    5.77         $27?           $1,939       X
  108                     $5,01?               $0        $5,013           9    5.77         $?4?           $4,750       X
  111                     $3,7?0               $0        $3,7?0          ??   ??.??         $5??           $3,146       X

PROGRAM AREA TOTALS     $[illegible]           $0   $[illegible]      1,??1   ??.14      $34,472          $44,494
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                    D I S T R I B U T I O N   O F   T E A C H E R   S A L A R I E S   B Y   P R O G R A M   A R E A
                                                                                                     DATE MARCH 2, 1972
DISTRICT 9999                                                       71-72 2ND SEM                          PAGE NO   [illegible]
BUILDING  999      SCHOOL NAME PROGRESS CITY HIGH SCHOOL

PROGRAM AREA MATHEMATICS   ASSIGNED [illegible] .04

 TCHR    TEACHER          TEACHER   EXT                  SALARY +      ----INSTRUCTIONAL CONTACT----        COORD. AND  SPLIT
  NO     NAME             SALARY    PAY    OVERHEAD      OVERHEAD       MODS     PCNT         COST          PLANNING    PROG

  000                          $0               $0            $0          12    7.4?           $0               $0       x
  001                     $5,47?               $0        $5,47?         12?   7?.9?       $4,2??           $1,31?
  006                     $5,33?               $0        $5,33?          ??   ??.62       $3,478           $2,334       x
  014                     $5,41?               $0        $5,41?          ?0   ?7.4?       $3,23?           $2,414       x
  048                     $5,?7?               $0        $5,27?         10?   6?.2?       $4,30?           $1,005       x
  053                     $6,?4?               $0        $6,?4?          72   4?.1?       $3,20?     [illegible]       x
  060                     $4,39?               $0        $4,3??         10?   6?.2?       $3,?44     [illegible]       x
  086                     $4,?25               $0        $5,72?          ??   63.4?       $4,?47           $2,42?       x
  095                     $4,9??               $0        $4,9??         10?   6?.33       $3,45?           $1,447       x

PROGRAM AREA TOTALS     $[illegible]           $0   $[illegible]          ??   57.69      $26,?55          $16,??1
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DISTRICT 9999        D I S T R I B U T I O N   O F   T E A C H E R   S A L A R I E S   B Y   P R O G R A M   A R E A
BUILDING  999        SCHOOL NAME PROGRESS CITY HIGH SCHOOL                      71-72 2ND SEM             DATE MARCH 2, 1972
PROGRAM AREA SCIENCE        ASSIGNED NO. 05                                                                    PAGE NO  5

TCHR    TEACHER                TEACHER   EXT                 SALARY +      ----INSTRUCTIONAL  CONTACT----      COORD. AND  SPLIT
NO      NAME                   SALARY    EXP   OVERHEAD      OVERHEAD       MODS     PCNT          COST        PLANNING    PROG
 033
 032                                $0              $0            $0
 031                            $4,280              $0        $4,280         20     12.82            $0              $0     X
 039                            $6,456              $0        $6,458        100     64.10        $4,025          $2,261
 044                            $4,593              $0        $5,533          6      3.85          $246          $6,264     X
 041                            $6,726              $0        $6,723         65     43.31        $2,785          $3,818     X
 073                            $6,945              $0        $6,945         84     55.13        $3,707          $3,026
 075                            $5,[illegible]              $0        $5,[illegible]        100     64.10        $4,451          $2,500     X
 088                            $5,653              $0        $5,653         93     59.62        $3,158          $2,172     X
 092                            $6,780              $0        $6,780         78     50.00        $2,826          $2,927
                                $4,[illegible]              $0        $4,[illegible]        105     67.31        $4,227          $2,072     X
                                                                              74     47.44        $2,249          $2,625
PROGRAM AREA TOTALS            $55,175              $0       $55,175        724     46.47       $25,750         $27,565
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DISTRICT 9999        D I S T R I B U T I O N   O F   T E A C H E R   S A L A R I E S   B Y   P R O G R A M   A R E A
BUILDING  999        SCHOOL NAME PROGRESS CITY HIGH SCHOOL                      71-72 2ND SEM             DATE MARCH 2, 1972
PROGRAM AREA BUS. EDUC.     ASSIGNED NO. 06                                                                    PAGE NO

TCHR    TEACHER                TEACHER   EXT                 SALARY +      ----INSTRUCTIONAL  CONTACT----      COORD. AND  SPLIT
NO      NAME                   SALARY    EXP   OVERHEAD      OVERHEAD       MODS     PCNT          COST        PLANNING    PROG
 013                            $5,528
 025                            $3,066              $0        $5,579         45     28.85        $1,[illegible]          $3,960     X
 046                            $5,740              $0        $3,966          2      1.28           $50          $2,815     X
 047                            $5,905              $0        $5,760         50     57.44        $[illegible]          $2,477     X
 049                            $5,528              $0        $5,905         27     17.82          $757          $5,196
 079                            $6,158              $0        $5,528         76     63.72        $2,[illegible]          $2,875     X
 105                            $5,760              $0        $6,158         64     41.03        $2,[illegible]          $3,633     X
                                                    $0        $5,740         98     56.41        $3,249          $2,534     X
PROGRAM AREA TOTALS            $[illegible]              $0       $[illegible]        366     [illegible]       $13,[illegible]         $23,510
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DISTRICT 9999            DISTRIBUTION OF TEACHER SALARIES BY PROGRAM AREA
BUILDING 999     SCHOOL NAME PROGRESS CITY HIGH SCHOOL               71-72 2ND SEM                DATE MARCH 2, 1972
                                                                                                           PAGE NO   7
PROGRAM AREA HOME ECON.     ASSIGNED NO. 07

 TCHR     TEACHER               TEACHER   EXT                   SALARY +       ----INSTRUCTIONAL CONTACT----       COORD. AND  SPLIT
  NO      NAME                  SALARY    CMP    OVERHEAD       OVERHEAD        MODS      PCNT          COST         PLANNING    PROG

  000                                $0                $0             $0           4      2.56            $0               $0      X
  014                            $5,118                $0         $5,118          52  [illegible]   $3,31[illegible]     $2,150      X
  021                            $6,438                $0         $6,438           4      2.56          $164           $6,309      X
  035                            $3,965                $0         $3,965         123     78.85        $3,126             $872      X
  065                            $3,700                $0         $3,700          90     57.69   $2,1[illegible]       $1,630      X
  094                            $3,673                $0         $3,673         116     74.36        $2,731             $955      X
  100                            $4,953                $0         $4,953         108     69.23        $3,428           $1,535      X

PROGRAM AREA TOTALS      $27,[illegible]                $0   $27,[illegible]   [illegible]  [illegible]  $13,739         $13,451
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DISTRICT ....            DISTRIBUTION OF TEACHER SALARIES BY PROGRAM AREA
BUILDING 999     SCHOOL NAME PROGRESS CITY HIGH SCHOOL               71-72 2ND SEM                DATE MARCH 2, 1972
                                                                                                           PAGE NO   8
PROGRAM AREA ART            ASSIGNED NO. 09

 TCHR     TEACHER               TEACHER   EXT                   SALARY +       ----INSTRUCTIONAL CONTACT----       COORD. AND  SPLIT
  NO      NAME                  SALARY    CMP    OVERHEAD       OVERHEAD        MODS      PCNT          COST         PLANNING    PROG

  029                            $5,615                $0         $5,615          90     57.69        $3,239           $2,414      X
  071                            $6,725                $0         $6,725          90     57.69        $3,879           $2,892      X
  108                            $6,013                $0         $6,013          24     15.38          $924           $4,750      X

PROGRAM AREA TOTALS             $18,353                $0        $18,353         204     43.59        $8,000          $10,056
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DISTRICT 9999      D I S T R I B U T I O N   O F   T E A C H E R   S A L A R I E S   B Y   P R O G R A M   A R E A
BUILDING  999      SCHOOL NAME PROGRESS CITY HIGH SCHOOL                       71-72 2ND SEM                  DATE MARCH 2, 1972
                                                                                                                  PAGE NO   9
PROGRAM AREA VOC. AGRIC.    ASSIGNED NO. 09

 TCHR   TEACHER                 TEACHER   EXT                  SALARY +          ----INSTRUCTIONAL CONTACT----          COORD. AND  SPLIT
  NO    NAME                    SALARY    CMP   OVERHEAD       OVERHEAD          MODS      PCNT          COST            PLANNING   PROG

  072   SLEISTER                $4,488                $0        $4,488            34       21.79          $977             $3,186      X
  076   SHADLE                  $5,750                $0        $5,750            94       60.26        $3,466             $2,300

PROGRAM AREA TOTALS            $10,238                $0       $10,238           128       41.02        $4,200             $5,486
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DISTRICT 9999      D I S T R I B U T I O N   O F   T E A C H E R   S A L A R I E S   B Y   P R O G R A M   A R E A
BUILDING  999      SCHOOL NAME PROGRESS CITY HIGH SCHOOL                       71-72 2ND SEM                  DATE MARCH 2, 1972
                                                                                                                  PAGE NO  10
PROGRAM AREA IND. ARTS      ASSIGNED NO. 10

 TCHR   TEACHER                 TEACHER   EXT                  SALARY +          ----INSTRUCTIONAL CONTACT----          COORD. AND  SPLIT
  NO    NAME                    SALARY    CMP   OVERHEAD       OVERHEAD          MODS      PCNT          COST            PLANNING   PROG

  002                           $5,615                $0        $5,615            60       38.46        $2,159             $3,481      X
  017                           $5,798                $0        $5,798            79       50.64        $2,936             $2,899      X
  022                           $5,905                $0        $5,905            84       53.85        $3,179             $2,775      X
  082                           $5,905                $0        $5,905            88       56.41        $3,331             $2,598      X
  101                           $4,665                $0        $4,665            76       48.72        $2,272             $2,425      X
  102                           $5,025                $0        $5,025            72       46.15        $2,319             $2,714
  109                           $4,665                $0        $4,665            52       33.33        $1,554             $3,126      X

PROGRAM AREA TOTALS            $37,578                $0       $37,579           511       46.79       $17,582            $20,019
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K

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                 D I S T R I B U T I O N   O F   T E A C H E R   S A L A R I E S   B Y   P R O G R A M   A R E A
DISTRICT 9999
BUILDING  999    SCHOOL NAME PROGRESS CITY HIGH SCHOOL                            71-72 2ND SEM                    DATE MARCH 2, 1972
                                                                                                                          PAGE NO  11
PROGRAM AREA  PHYS. ED.    ASSIGNED NO. 11

 TCHR   TEACHER              TEACHER   EXT                   SALARY +        ----INSTRUCTIONAL CONTACT----         COORD. AND  SPLIT
  NO    NAME                  SALARY   CMP    OVERHEAD        OVERHEAD          MODS      PCNT        COST         PLANNING    PROG

 007                          $6,725              $0           $6,725            108      69.23      $4,655          $2,085      X
 020                          $4,378              $0           $4,378            108      69.23      $2,996          $1,342      X
 024                          $6,725              $0           $6,725            108      69.23      $4,655          $2,085      X
 051                          $6,225              $0           $6,225            108      69.23      $4,309          $1,930      X
 063                          $2,976              $0           $2,976             60      38.46      $1,144          $1,845      X
 085                          $5,528              $0           $5,528             96      61.54      $3,401          $2,156      X
 117                          $2,976              $0           $2,976             60      38.46      $1,144          $1,845      X

PROGRAM AREA TOTALS          $35,433              $0          $35,433            648      59.34     $21,055         $13,288
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                 D I S T R I B U T I O N   O F   T E A C H E R   S A L A R I E S   B Y   P R O G R A M   A R E A
DISTRICT 9999
BUILDING  999    SCHOOL NAME PROGRESS CITY HIGH SCHOOL                            71-72 2ND SEM                    DATE MARCH 2, 1972
                                                                                                                          PAGE NO  12
PROGRAM AREA MUSIC INSTRU  ASSIGNED  . 12

 TCHR   TEACHER              TEACHER   EXT                   SALARY +        ----INSTRUCTIONAL CONTACT----         COORD. AND  SPLIT
  NO    NAME                  SALARY   CMP    OVERHEAD        OVERHEAD          MODS      PCNT        COST         PLANNING    PROG

 008                          $6,226              $0           $6,226             72      46.15      $2,872          $3,362      X
 030                          $5,116              $0           $5,116             76      48.72      $2,493          $2,661      X
 049                          $4,143              $0           $4,143             34      21.79        $903          $3,028      X

PROGRAM AREA TOTALS          $15,481              $0          $15,481            182      38.88      $6,024          $9,051
```

(M)

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                    D I S T R I B U T I O N   O F   T E A C H E R   S A L A R I E S   B Y   P R O G R A M   A R E A
DISTRICT 9999                                                                                              DATE MARCH 2, 1972
BUILDING  999        SCHOOL NAME 99 GRASS CITY HIGH SCHOOL                    71-72 2ND SEM                        PAGE NO  13

PROGRAM AREA MUSIC VOCAL    ASSIGNED NO. [illegible]

 TCHR     TEACHER                TEACHER   EXT                    SALARY +         ----INSTRUCTIONAL CONTENT----          COORD. AND  SPLIT
  NO.     NAME                   SALARY    [illegible]  [illegible]   OVERHEAD          MODS      PCNT          COST          PLANNING   PROG

  0[illegible]                           $6,225                 $0       $6,225           34     21.79        $1,356           $4,519     X
  0[illegible]                           $6,225                 $0       $6,225           [illegible]     37.1[illegible]        $2,314           $3,922     X

PROGRAM AREA TOTALS              $12,450                 $0      $12,450           [illegible]     [illegible]        $3,[illegible]71           $8,840
```

(N)

183

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                    D I S T R I B U T I O N   O F   T E A C H E R   S A L A R I E S   B Y   P R O G R A M   A R E A
DISTRICT 9999                                                                                              DATE MARCH 2, 1972
BUILDING  999        SCHOOL NAME 99 GRASS CITY HIGH SCHOOL                    71-72 2ND SEM                        PAGE NO  14

PROGRAM AREA DRIVER EDUC.   ASSIGNED NO. [illegible]

 TCHR     TEACHER                TEACHER   EXT                    SALARY +         ----INSTRUCTIONAL CONTENT----          COORD. AND  SPLIT
  NO.     NAME                   SALARY    [illegible]  [illegible]   OVERHEAD          MODS      PCNT          COST          PLANNING   PROG

  030                                 $0                 $0           $0            -     [illegible]           $0               $0     X
  0[illegible]                           $[illegible]                 $0       $[illegible],7[illegible]           97     [illegible]        $4,[illegible]           $2,556     X
  0[illegible]                           $[illegible]                 $0       $[illegible],7[illegible]5          1[illegible]     [illegible].74        $4,[illegible]           $2,421     X
  0[illegible]                           $[illegible]                 $0       $[illegible]           97     [illegible]        $3,[illegible]           $2,366     X
  0[illegible]                           $[illegible]                 $0       $[illegible]           [illegible]     [illegible].74        $4,494           $2,500
  1[illegible]                           $[illegible]                 $0       $[illegible]           [illegible]     [illegible]        $4,190           $2,054     X

PROGRAM AREA TOTALS              $[illegible]                 $0      $[illegible]           [illegible]     [illegible]        $[illegible]          $11,897
```

O

```
[illegible]
DISTRICT 9999                                                                              DATE MARCH 2, 1972
BUILDING  999     SCHOOL NAME PROGRESS CITY HIGH SCHOOL              71-72 2ND SEM                PAGE NO  15

PROGRAM AREA TRADES & IND  ASSIGNED NO. 15

 TCHR    TEACHER               TEACHER   EXT                  SALARY +      ----INSTRUCTIONAL CONTACT----        COORD. AND  SPLIT
  NO     NAME                   SALARY   EXP   OVERHEAD       OVERHEAD       MODS     PCNT          COST          PLANNING   PROG

  000                               $0               $0             $0        [illegible]  49.73       $0               $0      X
  040                           $4,493               $0         $4,493        26      16.47        $1,042          $5,454      X
  115                               $0               $0             $0        30      19.23          $0               $0      X

PROGRAM AREA TOTALS             $4,493               $0         $4,493        [illegible]  35.74   $1,275          $5,454
```

P

```
[illegible]
DISTRICT 9999                                                                              DATE MARCH 2, 1972
BUILDING  999     SCHOOL NAME PROGRESS CITY HIGH SCHOOL              71-72 2ND SEM                PAGE NO  16

PROGRAM AREA COOP OFF ED   ASSIGNED NO. 16

 TCHR    TEACHER               TEACHER   EXT                  SALARY +      ----INSTRUCTIONAL CONTACT----        COORD. AND  SPLIT
  NO     NAME                   SALARY   EXP   OVERHEAD       OVERHEAD       MODS     PCNT          COST          PLANNING   PROG

  025                           $3,965               $0         $3,965        44      29.21        $1,118          $2,815      X

PROGRAM AREA TOTALS             $3,965               $0         $3,965        44      29.21        $1,118          $2,815
```

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                   D I S T R I B U T I O N   O F   T E A C H E R   S A L A R I E S   B Y   P R O G R A M   A R E A
DISTRICT 9999                                                                                       DATE MARCH 2, 1972
BUILDING  999      SCHOOL NAME PROGRESS CITY HIGH SCHOOL                  71-72 2ND SEM                    PAGE NO  17

PROGRAM AREA D.E. COOP      ASSIGNED NO. 17

 TCHR    TEACHER                 TEACHER   EXT                     SALARY +        ----INSTRUCTIONAL CONTACT----        COORD. AND  SPLIT
  NO     NAME                     SALARY   EXP   OVERHEAD          OVERHEAD         MODS      PCNT           COST         PLANNING   PROG

  096                             $6,098                  $0         $6,098           48      30.77        $1,676           $4,269     X
  114                             $3,673                  $0         $3,673           24      15.38          $564           $3,122     X

PROGRAM AREA TOTALS               $9,771                  $0         $9,771           72      23.08        $2,255           $7,391
```

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                   D I S T R I B U T I O N   O F   T E A C H E R   S A L A R I E S   B Y   P R O G R A M   A R E A
DISTRICT 9999                                                                                       DATE MARCH 2, 1972
BUILDING  999      SCHOOL NAME PROGRESS CITY HIGH SCHOOL                  71-72 2ND SEM                    PAGE NO  18

PROGRAM AREA AG. OCCUP.     ASSIGNED NO. 18

 TCHR    TEACHER                 TEACHER   EXT                     SALARY +        ----INSTRUCTIONAL CONTACT----        COORD. AND  SPLIT
  NO     NAME                     SALARY   EXP   OVERHEAD          OVERHEAD         MODS      PCNT           COST         PLANNING   PROG

  072                             $4,498                  $0         $4,498           12       7.69          $345           $3,186     X

PROGRAM AREA TOTALS               $4,498                  $0         $4,498           12       7.69          $345           $3,186
```

S

```
DISTRICT 9999       D I S T R I B U T I O N   O F   T E A C H E R   S A L A R I E S   B Y   P R O G R A M   A R E A
BUILDING  999       SCHOOL NAME PROGRESS CITY HIGH SCHOOL                              71-72 2ND SEM             DATE MARCH 2, 1972
                                                                                                                        PAGE NO  1

PROGRAM AREA WORK-STUDY      ASSIGNED NO. 19

 TCHR    TEACHER               TEACHER   EXT                      SALARY +       ----INSTRUCTIONAL CONTACT----          COORD. AND   SPLIT
  NO     NAME                   SALARY   CMP     OVERHEAD         OVERHEAD        MODS     PCNT           COST          PLANNING     PROG

  010                           $4,508               $0             $4,508          60     38.46         $1,733            $2,795      X
  070                           $3,600               $0             $3,600          36     23.08           $830            $2,772      X
  103                           $4,328               $0             $4,328          48     30.77         $1,331            $3,033      X
  107                           $5,275               $0             $5,275          36     23.08         $1,217            $4,062      X
  112                           $4,348               $0             $4,348          30     19.23           $836            $3,522      X

PROGRAM AREA TOTALS            $22,059               $0            $22,059         210     26.92         $5,939           $16,181
```

T

```
              S U M M A R Y   O F   T E A C H E R   S A L A R Y   D I S T R I B U T I O N   B Y   P R O G R A M   A R E A
DISTRICT 9999                                                                                                    DATE MARCH 2, 1972
BUILDING  999      SCHOOL NAME PROGRESS CITY HIGH SCHOOL                              71-72 2ND SEM                  PAGE NO   1

                  NO       TEACHER                       SALARY +           ----INSTRUCTIONAL CONTACT-----          COORD. AND
PROGRAM AREA   TCHRS        SALARY        OVERHEAD       OVERHEAD            MODS     PCNT            COST          PLANNING

 LANG. ARTS       18       $82,594            $0          $82,594            1,639    58.37         $48,210           $32,067
 FOREIGN LANG      7       $31,117            $0          $31,117              452    41.39         $12,879           $17,264
 SOC. SCIENCE     17       $84,279            $0          $84,279            1,091    41.14         $34,672           $44,494
 MATHEMATICS       9       $46,204            $0          $46,204              810    57.69         $26,655           $16,651
 SCIENCE          10       $55,175            $0          $55,175              728    46.67         $25,750           $27,565
 BUS. EDUC.        7       $38,604            $0          $38,604              385    35.26         $13,611           $23,510
 HOME ECON.        7       $27,937            $0          $27,937              537    49.18         $13,739           $13,451
 ART               3       $18,353            $0          $18,353              204    43.59          $8,000           $10,056
 VOC. AGRIC.       2       $10,238            $0          $10,238              128    41.03          $4,200            $5,486
 IND. ARTS         7       $37,578            $0          $37,578              511    46.79         $17,592           $20,019
  PHYS. ED.        7       $35,483            $0          $35,483              648    59.34         $21,055           $13,288
 MUSIC INSTRU      3       $15,491            $0          $15,491              182    38.89          $6,024            $9,051
 MUSIC VOCAL       2       $12,450            $0          $12,450               92    29.49          $3,671            $8,840
 DRIVER EDUC.      6       $32,845            $0          $32,845              505    53.95         $17,715           $11,897
 TRADES & IND      3        $6,493            $0           $6,493              144    35.04          $2,275            $5,454
 COOP OFF ED       1        $3,965            $0           $3,965               44    28.21          $1,118            $2,815
 D.E. COOP         2        $9,771            $0           $9,771               72    23.08          $2,255            $7,391
 AG. OCCUP.        1        $4,498            $0           $4,498               12     7.69            $345            $3,186
 WORK-STUDY        5       $22,059            $0          $22,059              210    26.92          $5,938           $16,181
 OTHER            26      $133,710            $0         $133,710              106     2.61          $3,485           $65,526

SCHOOL TOTAL     143      $708,834            $0         $708,834            8,520    38.19        $270,703          $358,232
```

TEACHER MASTER FILE

The Iowa Educational Information Center's efforts in the creation of a teacher master file is briefly illustrated in the following pages. The file when completed will have the capability of being continuously updated and will be directly related to the other four MIS tracts. It will contain demographic data, salary and evaluation data, history of the teacher in the building, and other information useful to local school administrators.

The unique qualities of this file are:

1. The relation of every item to the other four areas of a MIS through the use of a computer.
2. The inclusion of career as operations.
3. The inclusion of professional status and publications.
4. The recording of teacher salary costs by program area and position for four years.
5. The inclusion of actual costs of the teacher for absences due to personal, professional and illness.
6. The filing of a complete performance appraisal by the teacher, department chairman, and principal.

Copies of the instructions and the form used by the pilot school to collect some of the data to be included in the teacher master file are shown on the pages following. Because this segment of the project has not been completed, no actual output can be shown. However, items such as performance appraisal and teacher appraisal guide tools have been developed. Examples of the projected computer printouts are included.

The teacher master file is (1) comprehensive, (2) updated continuously, and (3) useful to school administrators in personnel decision-making. Also, the file, when related to other areas of the MIS through use of computer statistical analysis and plotting, will provide an immediacy and an accuracy in personnel information not previously available to local administrators.

Example 1

EDUCATION

INSTITUTION	STATE	DEGREE	YEAR	MAJOR	SEM Hrs.	MINOR	SEM Hrs.	TOT SEM Hrs.
Council Bluffs	Iowa		1950					
UN. Northern Ia.	Iowa	BA	1956	Soc. Sci	50	Saf. Ed.	33	127
Drake	Iowa	MA	1962	Guidance	38			38
UN of Iowa	Iowa		1963	Phy. Ed.	5			5
Europe			1968		2			2

SEMESTER HOURS LEFT TO MET DISTRICT BARRIER - 4 HOURS.

Example 2

DISTRICT COSTS // 1970-71

PROGRAM	POSITION	SCED STEP	SALARY	DIST. OVHD.	TOTAL	CONTRACT DAYS
Soc. Sci.	PRG. CHRMN	B-8	$8000	$900	$8900	180
Soc. Sci.	TEACHER		1500		1500	180
Soc. Sci.	SUM CURR		1000		1000	14
Athletics	FB COACH		1500		1500	50
TOTALS		B-8	$12,000	$900	$12,900	XXX

SAME INFORMATION FOR PRECEDING THREE YEARS

TEACHER ABSENCE -1

		PERSONAL		PROFESSIONAL			ILLNESS			TOTALS	
		COST			COST			COST			COST
YEAR	DAYS	TCHR	SUB.	DAYS	TCHR	SUB	DAYS	TCHR	SUB	DAYS	
1969-70	3	$120.00	$75.00	2	$80.00	$50.00	4	$160.00	$100.00	9	$585.00
1968-69		SICK DAYS REMAINING - 19									

Example 4

PERFORMANCE APPRAISAL 1970-71

							DEVELOPMENT			
COURSE	EVALUATOR	ASPIRATION/POTENTIAL	LG	SG	LAB.	I.S.	OBS.	MEAS.	MAT.	AVG.
M. HIST.	SELF	4	5	3	5	3	3	3	5	3
	DEPT. CH.	3	2	5	5	5	5	4	5	4
	PRIN.	5	2	5	5	5	4	4	5	5
B COACH	SELF	5	5	5		5	5	5	5	5
	DEPT. CH.	3	3	3		2	3	3	3	3
	PRIN.	2	1	2		1	1	1	1	1

Example 5

TEACHER APPRAISAL GUIDE - 1970-71

PROGRAM	EVALUATOR	A							B					C				
		1	2	3	4	5→10		AVG.	1	2	3	– –10	AVG.	1	2	– –10	AVG.	→
Soc St.	SELF	5	7	3		x	x	3	x	x	x	x	x	x	x	x		
	CHR	5	3	4		x	x	3	x	x	x	x	x	x	x	x		
	PRIN	5	3	3		x	x	3	x	x	x	x	x	x	x	x		
Athletics	SELF	x	x	x		x	x	x	x	x	x	x	x	x	x	x		
	CHR	x	x	x		x	x	x	x	x	x	x	x	x	x	x		
	PRIN	x	x	x		x	x	x	x	x	x	x	x	x	x	x		

SAME INFORMATION FOR PRECEDING TWO YEARS

MIS Personnel Subsystem

Teacher Salary Allocation Procedure

Purpose: The Teacher Salary Allocation job matches the teaching schedule to salaries of teachers and produces a cost of teacher contact by phase, course, program area and school. The costs of contact are reported on a per pupil, per mod and per minute basis. In addition a distribution of teacher salaries by program area is produced.

Procedure:

The steps required to process the salary allocation reports are listed below. Detailed JCL and deck set-up information is in the section following titled 'JOB Set-up'.

1. Teacher identification and salary data may be obtained in either of two ways:
   - A. Provided by school and keypunched (Format SA-4) or
   - B. Run program 'MIS009' against the Iowa Professional School Employees Data Sheet (IPSEDS) file and pull the applicable teacher salary and identification data. This program lists and punches (Format SA-4) the information needed as input to the Salary Allocation Program.
2. Punch a deck of master schedule cards (Format SA-5) and listing of the master schedule from the school's current Flexible scheduling output Master schedule file. Use program 'MISES01A'. See documentation for 'MISES01A'.
3. Determine the applicable teacher's Flexible scheduling assigned teacher sequence number and keypunch into the teacher salary card If step 1A above is used, all data must be keypunched. If step 1B is used, it is necessary to only keypunch the assigned teacher sequence number as the other data has been punched as output in the 'MIS009' program.
4. Obtain the deck of team teacher (Format SA-3) punched from program 'MISES01E'. See documentation for 'MISES01E'.
5. The school determines the program areas they wish identified. Program area header cards are keypunched (Format SA-2) and inserted into the master schedule deck in front of the course-phase cards applicable to that program area.

6. A school header card (Format SA-1) is keypunched and inserted in the deck to provide run parameters for the school.

7. Run the Teacher Salary Utilization program (MIS010) to produce:

    A. Teacher Salary Utilization By Program Area (Format SA-10).
    B. Summary of Teacher Salary Utilization By Program Area (Format SA-11).
    C. Distribution of Teacher Salaries By Program Area (Format SA-12
    D. Summary of Teacher Salary Distribution By Program Area (Format SA-13).

MIS Personnel Subsystem

Teacher Salary Allocation Procedure

JØB Set-up:

Procedure step 1B (if used):

```
//PULLIP JØB (Local parameters)
//IPSEDS EXEC FORTRAN
//FORT.SYSIN DD *

(MIS009 Source program deck)
/*
//GO.FT01F001 DD (data set specifications for current IPSEDS file)
//GO.FT06F001 DD SYSOUT=A
//GO.FT07F001 DD SYSOUT=B
```

Procedure step 2:

See JCL and job set-up for MISES01A.

Procedure step 4:

See JCL and job set-up for MISES01E. Use team teacher deck only (Room teams not used in the Salary Allocation System).

Procedure step 7:

```
//MIS JØB (Local parameters)
//SALALLØC EXEC CØBFCLG,TIME.GØ=3,REGION.GØ=74K
//CØB.SYSIN DD *
(Salary Allocation source program deck (MIS010)
/*
//LKED.SYSIN DD *
('STAMP' object program deck) See STAMP program documentation
/*
//GØ.SYSØUT DD SYSØUT=A
//GØ.SYSØUTC DD SYSØUT=C
//GØ.SYSØUTD DD SYSØUT=D
//GØ.SYSØUTE DD SYSØUT=E
//GØ.SYSIN DD *
```

School parameter card-See MIS010 Format SA-1. Teacher team deck in course number order-See MIS010 Format SA-3. Salary card deck in teacher Sequence Number order-See MIS010 Format SA-4.

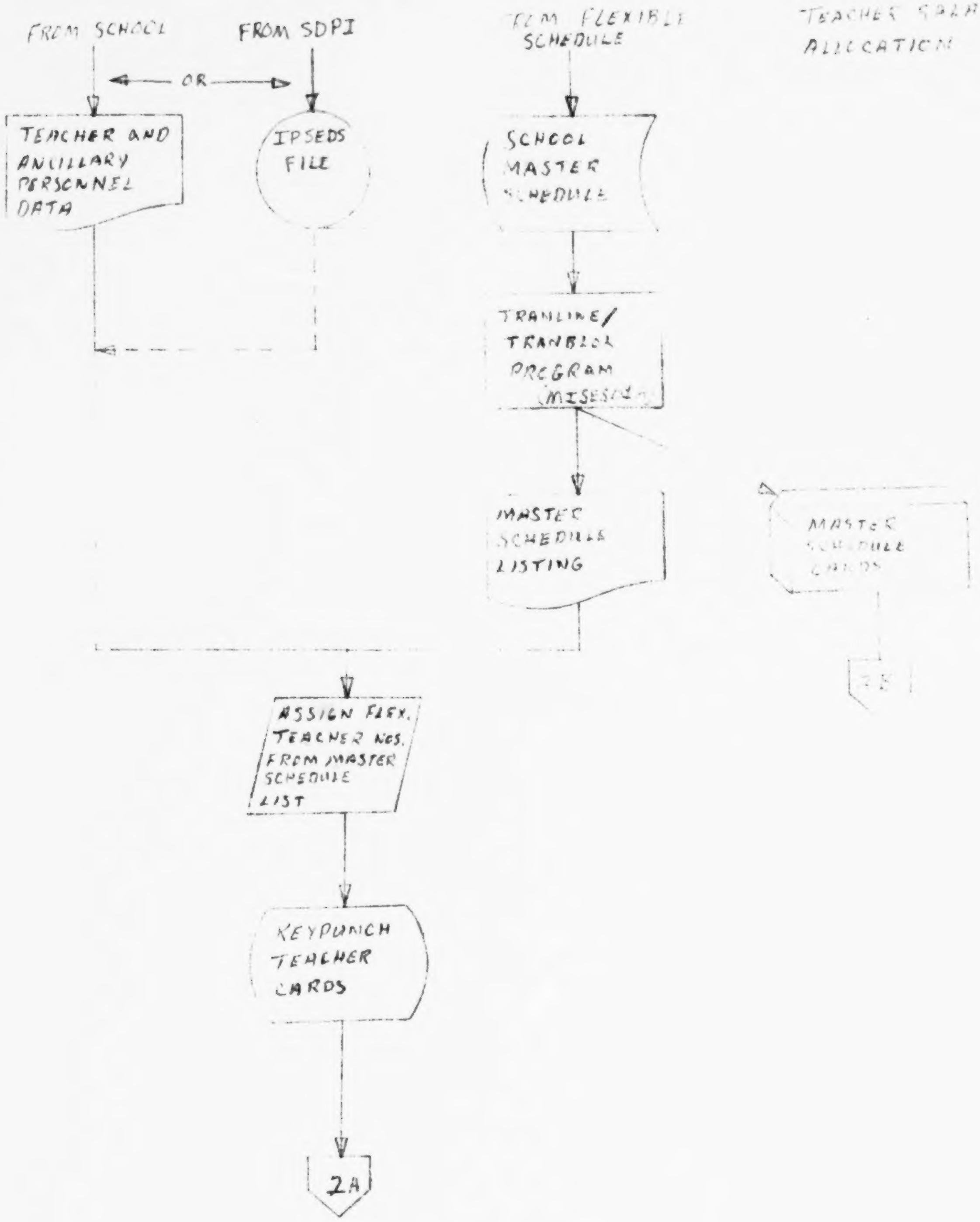
Repeat for all Program areas

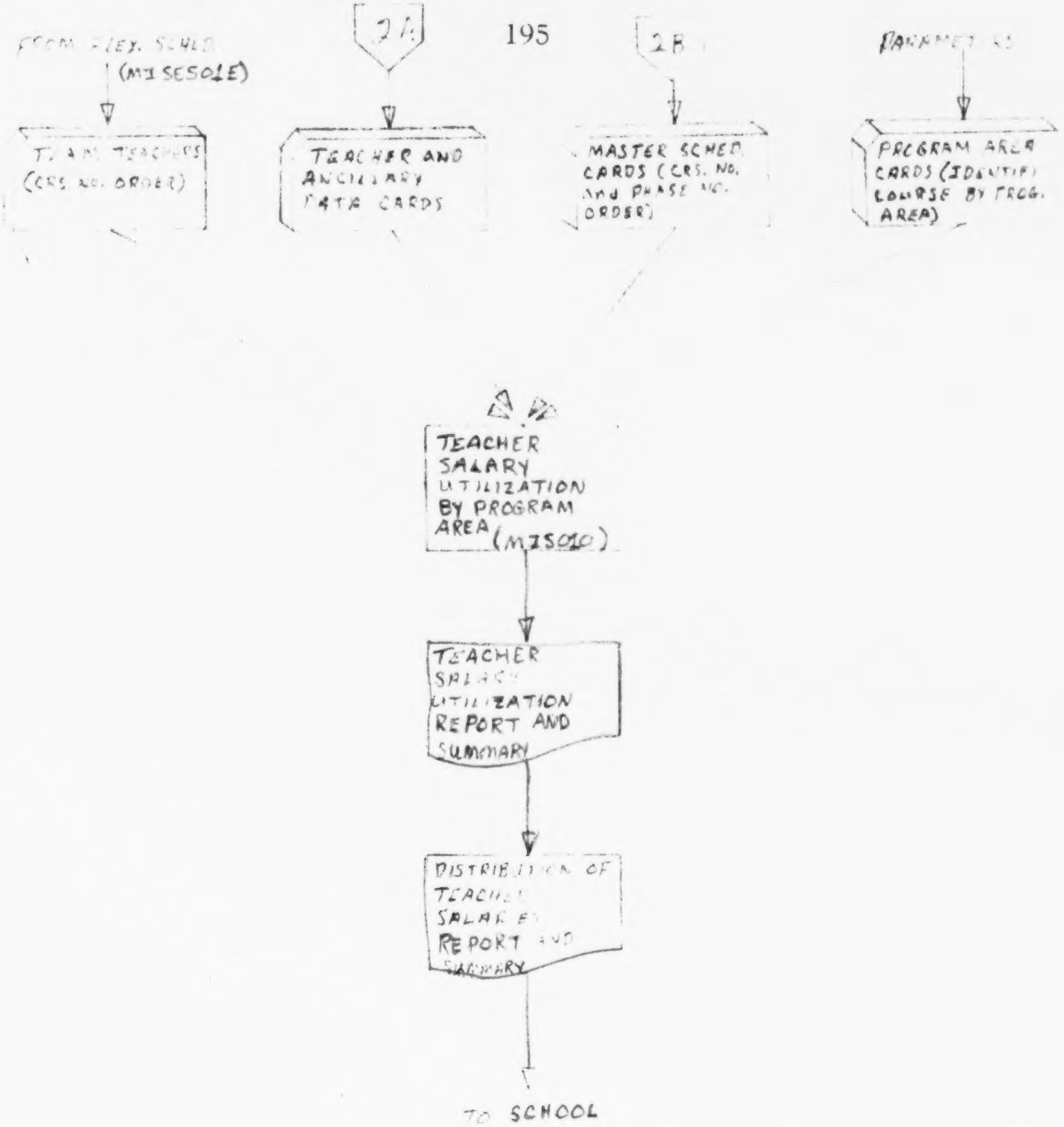
Program area header - See MIS010 Format SA-2.

Course-phase Master schedule cards pertaining to program area in header card in course number order-See MIS010 Format SA-5.

```
/*
```

MIS
TEACHER SALARY
ALLOCATION


FROM SCHOOL
FROM SDPI
OR
FROM FLEXIBLE SCHEDULE
TEACHER AND ANCILLARY PERSONNEL DATA
IPSEDS FILE
SCHOOL MASTER SCHEDULE
TRANLINE/ TRANBLOC PROGRAM (MISES
MASTER SCHEDULE LISTING
MASTER SCHEDULE CARDS
2B
ASSIGN FLEX. TEACHER NOS. FROM MASTER SCHEDULE LIST
KEYPUNCH TEACHER CARDS
2A


FROM FLEX. SCHLD
(MISES01E)
TEAM TEACHERS (CRS. NO. ORDER)
2A
TEACHER AND ANCILLARY DATA CARDS
2B
MASTER SCHED. CARDS (CRS. NO. AND PHASE NO. ORDER)
PARAMETERS
PROGRAM AREA CARDS (IDENTIFY COURSE BY PROG. AREA)
TEACHER SALARY UTILIZATION BY PROGRAM AREA (MIS010)
TEACHER SALARY UTILIZATION REPORT AND SUMMARY
DISTRIBUTION OF TEACHER SALARIES REPORT AND SUMMARY
TO SCHOOL

VI

FACILITIES UTILIZATION

To secure maximum flexibility from the room allocation file of the Management Information System, it is necessary to secure a tie between enrollment, room numbers, square feet in each room, school desired or actual capacity for each room, and room type for each room in the building. A detailed description of room types can be obtained from Monograph IV of the MIS series.

It will be helpful for an investigator to use office records for the above mentioned data whenever possible. It might also be helpful to the reader to examine a doctoral dissertation conducted in 1971 at The University of Iowa by Holbert Miller, entitled "An Investigation of the Effect on School Building Utilization Caused by a Change in Scheduling Procedures." This thesis can be obtained from the University of Iowa library.

The printouts which follow provide an indication of room utilization and occupancy. Facilities utilization refers to the percent of time the room is actually used for some scheduled activity. Room occupancy refers to the percent to which student stations in a room are actually used.

FACILITIES UTILIZATION ANALYSIS PROGRAM

TABLE 2A UTILIZATION FOR ALL ROOMS BASED ON ACTUAL

ROOM	PD 1	PD 2	PD 3	PD 4	PD 5	PD 6	PD 7	PD 8	PD 9	PD 10	PD 11	PD 12	PD 13	PD 14
[illegible]	63.33	63.33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	23.33	23.33	23.33	23.33	66.67	66.67	66.67	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	55.56	55.56
[illegible]	66.67	66.67	66.67	22.22	42.22	42.22	[illegible]	[illegible]	23.33	63.33	63.33	[illegible]	22.22	22.22
[illegible]	39.29	39.29	39.29	85.71	85.71	85.71	39.29	39.29	39.29	28.57	[illegible]	[illegible]	32.14	[illegible]
15.A	[illegible]	[illegible]	[illegible]	57.93	57.93	57.93	57.93	41.38	41.38	43.10	43.10	82.76	82.76	63.79
[illegible]	23.17	23.17	23.17	23.17	25.61	[illegible]	[illegible]	4.47	9.76	15.85	15.85	17.07	17.07	10.98
[illegible]	75.00	75.00	75.00	75.00	96.88	96.88	96.88	96.88	75.00	75.00	75.00	[illegible]	45.63	45.63
[illegible]	45.65	45.65	45.65	17.39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	100.00	100.00	100.00	[illegible]	[illegible]	[illegible]	1.41	2.35	[illegible]	[illegible]	[illegible]	[illegible]	3.52	3.52
111	[illegible]	[illegible]	[illegible]	[illegible]	97.65	97.65	97.65	97.65	3.53	[illegible]	4.71	[illegible]	[illegible]	[illegible]
112	100.00	100.00	100.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.17	[illegible]	[illegible]	[illegible]	[illegible]
114	95.59	95.59	95.59	95.59	95.59	[illegible]	[illegible]	[illegible]	10.29	[illegible]	10.29	10.29	[illegible]	[illegible]
115	42.86	42.86	42.86	42.86	96.43	96.43	96.43	96.43	57.14	57.14	57.14	57.14	[illegible]	[illegible]
119	48.44	48.44	48.44	48.44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	33.33	33.33
[illegible]	56.57	56.57	[illegible]	[illegible]	[illegible]	[illegible]	27.27	27.27	49.49	49.49	[illegible]	[illegible]	6.06	6.06
121	56.57	56.57	[illegible]	[illegible]	[illegible]	[illegible]	27.27	27.27	[illegible]	[illegible]	[illegible]	[illegible]	14.14	12.12
122	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
123	43.59	43.59	43.59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
127	62.96	62.96	62.96	62.96	62.96	27.78	27.78	27.78	41.67	41.67	41.67	41.67	41.67	27.78
128	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	37.50	37.50	[illegible]	[illegible]	[illegible]	47.50
129	91.67	91.67	91.67	91.67	[illegible]	[illegible]	[illegible]	[illegible]	75.00	75.00	75.00	75.00	[illegible]	[illegible]
[illegible]	92.86	92.86	92.86	92.86	92.86	92.86	92.86	92.86	88.10	88.10	88.10	88.10	[illegible]	[illegible]
131	66.67	66.67	66.67	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
132	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42.31	42.31	66.67	66.67	[illegible]	[illegible]
133	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
134	75.24	75.24	45.71	[illegible]	45.71	45.71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28.57	28.57
135	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	69.44
[illegible]	89.39	89.39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18.18	[illegible]	[illegible]	[illegible]	6.82	[illegible]
137	57.47	57.47	57.47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
138	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53.92	[illegible]	[illegible]	[illegible]	9.80	9.80	9.80
139	19.23	19.23	19.23	19.23	19.23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
141	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	43.75
142	47.22	47.22	47.22	47.22	75.00	75.00	75.00	75.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
143	36.56	36.56	36.56	36.56	49.46	49.46	49.46	49.46	66.67	66.67	66.67	66.67	[illegible]	[illegible]
144	59.38	59.38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67.71	67.71
146	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44.79	44.79	44.79	[illegible]	[illegible]	[illegible]	59.38	59.38
147	75.00	75.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78.57	78.57	78.57	[illegible]	78.57	78.57	78.57
149	[illegible]	57.28	57.28	[illegible]			[illegible]	[illegible]	[illegible]		18.93	18.93	[illegible]	33.82
151	48.65	48.65	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38.89	38.89	38.89	[illegible]	44.44	44.44
152	42.86	42.86	42.86	[illegible]	57.14	57.14			83.33	83.33	83.33	[illegible]	[illegible]	[illegible]
153	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

FACILITIES UTILIZATION ANALYSIS PROGRAM

TABLE 2A UTILIZATION FOR ALL ROOMS BASED ON ACTUAL CONTINUED

ROOM	PD 1	PD 2	PD 3	PD 4	PD 5	PD 6	PD 7	PD 8	PD 9	PD 10	PD 11	PD 12	PD 13	PD 14
154	28.79	28.79	28.79	28.79	33.33	33.33	33.33	33.33	50.00	100.00	100.00	100.00	50.00	0.0
155	0.0	0.0	0.0	79.55	79.55	79.55	79.55	83.33	83.33	83.33	83.33	71.97	71.97	71.97
156	22.76	22.76	17.07	0.0	25.61	25.61	25.61	13.41	17.07	36.59	36.59	36.59	19.51	0.0
157	53.85	53.85	53.85	0.0	100.00	100.00	100.00	64.10	64.10	11.54	11.54	11.54	11.54	0.0
158	81.48	81.48	81.48	51.85	75.93	75.93	[illegible]	25.56	25.56	72.22	62.96	62.96	85.19	85.19
159	3.11	3.11	3.11	7.34	8.19	8.19	6.78	6.78	5.93	5.93	3.11	2.82	2.82	2.52
160	78.95	78.95	78.95	78.95	81.58	81.58	81.58	81.58	71.05	71.05	71.05	71.05	39.47	39.47
[illegible]	66.67	66.67	66.67	66.67	66.67	58.33	58.33	58.33	58.33	58.33	[illegible]	36.67	36.67	36.67
201	63.16	63.16	63.16	63.16	63.16	71.05	71.05	71.05	71.05	71.05	50.00	50.00	50.00	50.00
202	57.14	57.14	57.14	[illegible]	[illegible]	[illegible]	45.24	45.24	45.24	[illegible]	[illegible]	[illegible]	80.36	80.36
203	55.88	55.88	55.88	29.41	29.41	29.41	[illegible]	[illegible]	[illegible]	67.65	67.65	67.65	23.53	23.53
204	61.59	61.59	61.59	36.23	[illegible]	[illegible]			83.33	[illegible]	83.33			[illegible]
205	41.67	41.67	41.67	[illegible]	[illegible]	[illegible]	43.51	[illegible]	59.72	59.72	[illegible]	[illegible]	50.00	50.00
206	78.26	78.26	78.26	78.26	78.26	78.26	78.26	78.26	[illegible]	[illegible]	[illegible]	[illegible]	0.0	85.43
207	47.62	47.62	47.62	38.10	38.10	38.10	[illegible]	[illegible]	[illegible]	38.10	[illegible]	[illegible]	66.67	66.67
[illegible]	55.91	55.91	46.91	14.73	18.87	14.87	[illegible]	6.47	51.59	55.47	[illegible]	[illegible]	[illegible]	53.77
[illegible]	68.04	68.04	68.04	[illegible]	83.33	83.33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	89.47	89.47	89.47	[illegible]	89.47	89.47	89.47	89.47	64.21	64.21	[illegible]	[illegible]	[illegible]	0.0
[illegible]	54.90	54.90	54.90	0.0	71.59	71.59	71.59	55.80	55.68	45.68	[illegible]	[illegible]	31.37	0.0
[illegible]	[illegible]	[illegible]	44.21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42.11	[illegible]
219	62.50	62.50	[illegible]	[illegible]	[illegible]	[illegible]	61.25	61.25	61.25	[illegible]	[illegible]	[illegible]	63.75	63.75
223	66.67	66.67	66.67	66.67	[illegible]	[illegible]	[illegible]	[illegible]	61.33	61.33	61.33	[illegible]	0.0	0.0
[illegible]	83.33	83.33	83.33	[illegible]	76.39	76.39	76.39	76.39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0
[illegible]	4.41	4.41	4.41	[illegible]	26.42	26.42	7.55	7.55	21.70	[illegible]	22.45	[illegible]	14.78	14.78
[illegible]	[illegible]	0.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	39.86	39.86
[illegible]	[illegible]	0.0	0.0	0.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	27.08	27.08	0.0	0.0	6.25	6.25	6.25	6.25	33.33	33.33	33.33	33.33	[illegible]	[illegible]
[illegible]	73.53	73.53	73.53	73.53	73.53	73.53	[illegible]	[illegible]	45.12	45.59	45.59	45.59	45.59	45.59
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	39.86	39.86	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80.43
2158	19.65	19.65	19.65	11.96	11.96	11.96	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80.36	80.36
519	0.0	0.0	0.0	0.0	33.33	33.33	33.33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	0.0
603	82.00	82.00	82.00	82.00	82.50	82.50	82.50	82.50	89.00	89.00	89.00	89.00	0.0	0.0
613	92.42	92.42	92.42	92.42	90.91	90.91	90.91	90.91	90.91	[illegible]	[illegible]	90.91	0.0	0.0
614	0.0	0.0	0.0	53.13	53.13	53.13	53.13	[illegible]	60.94	[illegible]	60.94	[illegible]	79.69	79.69
505	73.33	73.33	73.33	73.33	76.67	76.67	76.67	76.67	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	46.88	0.0	0.0	0.0	16.67	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]
[illegible]	0.0	0.0	0.0	87.93	87.93	87.93	87.93	[illegible]	41.38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOT	49.29	50.93	48.58	43.59	42.23	41.41	37.48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

FACILITIES UTILIZATION ANALYSIS PROGRAM

TABLE 2A UTILIZATION FOR ALL ROOMS BASED ON ACTUAL

ROOM	PD 15	PD 16	PD 17	PD 18	PD 19	PD 20	PD 21	PD 22	PD 23	PD 24	PD 25	PD 26	TOT
001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.67	66.67	0.0	0.0	11.54
004	44.44	44.44	0.0	0.0	0.0	33.33	33.33	0.0	0.0	48.89	48.89	48.89	27.18
044	22.22	0.0	0.0	13.33	13.33	13.33	31.11	31.11	31.11	0.0	0.0	0.0	27.56
047	0.0	0.0	0.0	50.00	50.00	50.00	14.29	14.29	14.29	92.86	92.86	92.86	44.09
150A	63.79	0.0	0.0	0.0	50.00	50.00	98.28	98.28	50.00	50.00	48.28	48.28	50.27
056	0.0	4.47	4.47	4.47	0.0	13.41	49.19	49.19	46.75	24.80	24.80	24.80	19.84
060	34.38	0.0	0.0	0.0	40.63	40.63	65.63	65.63	37.50	37.50	12.50	12.50	53.97
109	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.62
110	0.0	0.0	0.0	0.0	2.82	2.82	0.23	0.94	2.35	1.64	0.94	0.94	16.43
111	10.59	10.59	0.0	0.0	12.94	12.94	5.88	7.06	1.18	100.00	100.00	100.00	29.55
112	0.0	0.0	0.23	0.23	0.12	9.27	17.25	17.25	17.25	8.10	1.06	1.06	18.42
114	0.0	0.0	0.0	0.0	36.76	36.76	36.76	36.76	36.76	36.76	36.76	36.76	27.43
115	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.14	82.14	82.14	82.14	42.86
119	30.21	30.21	0.0	0.0	37.50	37.50	37.50	37.50	20.31	20.31	45.31	45.31	35.42
120	13.64	13.64	13.64	63.64	50.00	50.00	50.00	50.00	63.64	13.64	13.64	13.64	35.63
121	12.12	0.0	0.0	50.00	50.00	50.00	50.00	50.00	50.00	0.0	0.0	0.0	28.09
122	47.53	47.53	47.53	47.53	64.20	77.78	77.78	77.78	20.37	20.37	20.37	20.37	41.26
123	5.77	31.41	39.10	39.10	37.82	12.18	4.49	4.49	3.21	3.21	3.21	3.21	30.37
127	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.33	61.11	61.11	61.11	61.11	35.08
128	23.33	23.33	15.00	15.00	15.00	15.00	16.67	46.67	96.67	96.67	96.67	96.67	46.83
129	0.0	0.0	36.11	36.11	36.11	36.11	0.0	0.0	88.89	88.89	88.89	88.89	57.26
130	16.67	16.67	16.67	16.67	19.05	19.05	19.05	19.05	76.19	76.19	76.19	76.19	59.34
131	30.30	30.30	0.0	0.0	57.58	57.58	57.58	57.58	57.58	57.58	57.58	57.58	34.38
132	0.0	0.0	0.0	61.54	61.54	61.54	61.54	0.0	56.41	56.41	56.41	56.41	43.00
133	0.0	58.82	58.82	58.82	58.82	50.00	50.00	50.00	82.35	32.35	32.35	32.35	45.85
134	28.57	0.0	0.0	0.0	25.71	25.71	14.29	40.95	31.90	43.81	59.05	59.05	35.02
135	69.44	0.0	0.0	0.0	44.44	44.44	44.44	44.44	50.00	50.00	61.11	61.11	23.80
136	21.21	21.21	21.21	21.21	33.33	72.73	72.73	72.73	0.0	0.0	19.70	19.70	35.08
137	25.86	25.86	25.86	25.86	0.0	0.0	0.0	0.0	0.0	16.09	16.09	16.09	29.05
138	9.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.83
139	0.0	0.0	0.0	74.36	74.36	74.36	74.36	74.36	74.36	0.0	0.0	0.0	31.66
141	22.92	0.0	0.0	12.50	12.50	12.50	35.42	35.42	35.42	72.92	72.92	72.92	38.46
142	0.0	0.0	83.33	83.33	83.33	83.33	0.0	0.0	77.78	77.78	77.78	77.78	55.98
143	47.31	47.31	47.31	47.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.77
0144	67.71	0.0	0.0	27.08	27.08	77.08	77.08	77.08	27.08	64.58	64.58	64.58	51.32
0146	59.38	0.0	0.0	0.0	0.0	0.0	82.29	82.29	82.29	83.33	83.33	83.33	50.72
0147	0.0	0.0	0.0	0.0	0.0	50.00	50.00	50.00	0.0	92.86	92.86	92.86	54.40
149	35.92	47.25	54.21	39.64	43.04	31.23	39.81	20.39	20.39	6.96	6.96	6.96	26.84
151	44.44	0.0	0.0	83.33	83.33	50.00	50.00	50.00	0.0	44.44	44.44	44.44	41.79
152	65.48	65.48	0.0	0.0	77.38	77.38	77.38	0.0	39.29	39.29	39.29	39.29	38.97
153	64.39	0.0	0.0	0.0	83.33	83.33	34.09	34.09	11.36	11.36	75.76	75.76	41.67

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FACILITIES UTILIZATION ANALYSIS PROGRAM

TABLE 2A UTILIZATION FOR ALL ROOMS BASED ON ACTUAL---CONTINUED---

ROOM	PD 15	PD 16	PD 17	PD 18	PD 19	PD 20	PD 21	PD 22	PD 23	PD 24	PD 25	PD 26	TOT
154	0.0	0.0	36.36	36.36	36.36	36.36	0.0	0.0	0.0	0.0	0.0	0.0	30.54
155	71.97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.33	83.33	83.33	83.33	48.95
156	15.85	15.85	15.85	15.85	4.88	4.88	33.33	33.33	33.33	21.95	21.95	21.95	20.70
157	38.46	38.46	38.46	38.46	50.00	50.00	50.00	50.00	0.0	92.31	92.31	92.31	48.72
C158	85.19	0.0	0.0	0.0	31.48	31.48	64.81	33.33	33.33	64.81	64.81	64.81	56.62
C159	19.21	19.21	18.55	18.55	0.0	4.52	4.52	9.64	4.52	4.52	0.0	0.0	6.64
C160	39.47	0.0	0.0	0.0	76.32	76.32	76.32	76.32	92.11	92.11	92.11	92.11	60.09
200	36.67	0.0	0.0	0.0	50.00	50.00	50.00	50.00	50.00	0.0	0.0	0.0	40.71
201	50.00	0.0	0.0	0.0	0.0	0.0	0.0	42.11	42.11	42.11	42.11	42.11	43.52
202	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.21	73.21	75.00	75.00	40.38
C203	23.53	0.0	0.0	0.0	0.0	0.0	47.06	47.06	47.06	100.00	100.00	100.00	43.10
C204	0.0	0.0	0.0	28.26	28.26	28.26	79.71	79.71	79.71	79.71	79.71	79.71	42.56
C205	50.00	36.11	36.11	36.11	0.0	0.0	58.33	58.33	58.33	52.08	52.08	52.08	39.96
C206	80.43	34.78	34.78	34.78	0.0	26.09	26.09	26.09	71.74	71.74	71.74	71.74	60.70
C207	66.67	0.0	0.0	33.33	33.33	69.05	35.71	35.71	0.0	59.52	59.52	59.52	36.81
208	45.06	32.54	14.46	38.62	51.23	51.23	48.41	21.34	16.67	16.84	16.84	16.84	34.28
C210	0.0	46.38	46.38	46.38	0.0	76.09	76.09	76.09	0.0	0.0	0.0	0.0	43.39
C216	0.0	0.0	47.37	89.47	89.47	89.47	78.95	78.95	78.95	42.11	42.11	42.11	66.60
C217	0.0	0.0	0.0	68.63	68.63	68.63	35.29	35.29	35.29	97.06	97.06	97.06	47.74
C218	42.11	70.18	70.18	70.18	0.0	70.18	70.18	70.18	0.0	65.79	65.79	65.79	50.88
C219	63.75	0.0	0.0	0.0	0.0	41.25	41.25	41.25	0.0	23.75	23.75	23.75	40.11
223	32.00	32.00	32.00	32.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.46
224	83.33	83.33	83.33	83.33	0.0	0.0	0.0	0.0	55.56	55.56	55.56	55.56	55.56
138A	8.18	8.18	0.0	0.0	15.69	15.69	18.24	16.24	15.69	31.76	64.78	64.78	17.67
218A	39.86	0.0	0.0	34.78	34.78	0.0	0.0	47.83	47.83	36.23	36.23	36.23	18.98
219A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.00	50.00	50.00	5.77
128B	50.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.63	40.63	40.63	18.63
339	26.47	0.0	13.24	13.24	13.24	13.24	57.35	57.35	57.35	57.35	50.00	50.00	42.19
208B	80.43	0.0	0.0	0.0	0.0	0.0	36.23	36.23	0.0	0.0	0.0	0.0	12.04
215B	0.0	0.0	0.0	0.0	0.0	28.57	28.57	28.57	48.21	48.21	50.00	50.00	20.66
519	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.25	31.25	31.25	7.48
600	48.00	48.00	48.00	48.00	26.50	26.50	26.50	26.50	50.00	50.00	50.00	50.00	58.15
603	46.97	46.97	46.97	46.97	33.33	33.33	33.33	33.33	98.48	98.48	98.48	98.48	69.70
604	79.69	79.69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.81
605	38.33	38.33	38.33	38.33	83.33	83.33	83.33	83.33	71.67	71.67	71.67	71.67	[illegible]
450	0.0	0.0	0.0	0.0	8.33	8.33	8.33	0.0	0.0	[illegible]	0.0	0.0	4.05
560	63.79	0.0	0.0	0.0	50.00	50.00	98.28	98.28	50.00	50.00	48.28	48.28	50.27
TOT	27.74	16.14	14.60	20.98	24.06	27.67	32.33	34.40	30.75	[illegible]	[illegible]	[illegible]	[illegible]

FACILITIES UTILIZATION ANALYSIS PROGRAM

TABLE 3A UTILIZATION BASED ON ACTUAL FOR ROOM TYPE 1 ACADEMIC CLASSROOM

ROOM	PD 1	PD 2	PD 3	PD 4	PD 5	PD 6	PD 7	PD 8	PD 9	PD 10	PD 11	PD 12	PD 13	PD 14
001	83.33	83.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
004	23.33	23.33	23.33	23.33	66.67	66.67	66.67	0.0	0.0	0.0	0.0	0.0	55.56	55.56
044	66.67	66.67	66.67	22.22	42.22	42.22	20.00	0.0	23.33	63.33	63.33	40.00	22.22	22.22
047	39.29	39.29	39.29	85.71	85.71	65.71	39.29	39.29	39.29	28.57	60.71	60.71	32.14	0.0
150A	0.0	0.0	0.0	87.93	87.93	87.93	87.93	41.38	41.38	43.10	43.10	82.76	82.76	63.79
056	23.17	23.17	23.17	23.17	25.61	30.08	30.08	4.47	9.76	15.85	15.85	17.07	17.07	10.98
060	75.00	75.00	75.00	75.00	96.88	96.88	96.88	96.88	75.00	75.00	75.00	52.08	45.83	45.83
115	42.86	42.86	42.86	42.86	96.43	96.43	96.43	96.43	57.14	57.14	57.14	57.14	0.0	0.0
144	59.38	59.38	59.38	21.88	62.50	62.50	65.63	25.00	59.38	61.46	61.46	27.08	67.71	67.71
146	50.00	50.00	50.00	50.00	50.00	50.00	44.79	44.79	44.79	69.79	69.79	69.79	59.38	59.38
147	75.00	75.00	75.00	0.0	96.43	96.43	96.43	78.57	78.57	78.57	0.0	76.57	78.57	78.57
149	7.28	57.28	57.28	57.28	0.0	0.0	16.83	26.70	9.87	0.0	18.93	18.93	40.94	33.82
151	48.89	48.89	48.89	46.67	46.67	46.67	50.00	50.00	30.89	30.89	38.89	0.0	44.44	44.44
153	53.03	53.03	22.73	22.73	64.39	64.39	68.18	68.18	30.30	30.30	34.09	34.09	0.0	64.39
156	22.76	22.76	17.07	0.0	25.61	25.61	25.61	13.41	17.07	30.59	30.59	36.59	19.51	0.0
157	53.85	53.85	53.85	0.0	100.00	100.00	100.00	64.10	64.10	11.54	11.54	11.54	11.54	0.0
158	81.48	81.48	81.48	51.85	75.93	75.93	70.37	55.56	55.56	[illegible]	62.96	62.96	85.19	85.19
159	3.11	3.11	3.11	7.34	8.19	8.19	6.78	6.78	5.93	5.93	3.11	2.82	2.82	2.82
160	78.95	78.95	78.95	78.95	81.58	81.58	81.58	81.58	71.05	71.05	71.05	71.05	39.47	39.47
202	57.14	57.14	57.14	53.57	53.57	53.57	45.24	45.24	45.24	50.00	50.00	50.00	80.36	80.36
203	55.88	55.88	55.88	29.41	29.41	29.41	50.00	50.00	50.00	67.65	67.65	67.65	23.53	23.53
204	61.59	61.59	61.59	36.23	36.23	36.23	50.00	0.0	83.33	83.33	83.33	0.0	0.0	0.0
205	41.67	41.67	41.67	0.0	48.61	48.61	46.61	11.11	55.72	55.72	48.61	0.0	50.00	50.00
206	78.26	78.26	78.26	78.26	78.26	78.26	78.26	78.26	80.43	80.43	80.43	80.43	0.0	80.43
207	47.62	47.62	47.62	38.10	38.10	38.10	0.0	0.0	38.10	38.10	38.10	0.0	66.67	66.67
208	55.91	55.91	46.91	14.73	16.87	16.87	0.0	6.97	51.59	55.47	55.47	32.89	53.79	53.79
210	68.84	68.84	68.84	0.0	83.33	83.33	83.33	0.0	68.84	68.84	68.84	32.61	32.61	32.61
216	89.47	89.47	89.47	89.47	89.47	89.47	89.47	89.47	84.21	84.21	84.21	64.21	0.0	0.0
217	54.90	54.90	54.90	0.0	70.59	70.59	70.59	55.88	55.88	55.88	31.37	31.37	31.37	0.0
218	84.21	84.21	84.21	0.0	68.42	68.42	68.42	42.11	42.11	42.11	50.00	50.00	92.11	42.11
219	62.50	62.50	60.00	60.00	100.00	100.00	61.25	61.25	61.25	61.25	61.25	61.25	63.75	63.75
206A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.00	50.00	0.0	0.0	0.0	39.86	39.86
219A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138B	27.08	27.08	0.0	0.0	6.25	6.25	6.25	6.25	33.33	33.33	33.33	33.33	50.00	50.00
208B	0.0	0.0	0.0	0.0	0.0	0.0	39.86	35.86	0.0	0.0	0.0	0.0	0.0	80.43
215B	19.05	19.05	19.05	11.90	11.90	11.90	0.0	0.0	0.0	0.0	0.0	0.0	80.36	80.36
519	0.0	0.0	0.0	0.0	33.33	33.33	33.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
456	46.88	0.0	0.0	0.0	16.67	0.0	0.0	0.0	0.0	0.0	0.0	16.67	0.0	0.0
TOT	38.29	41.77	38.96	28.24	36.73	36.66	32.08	27.20	35.82	37.79	37.94	31.16	36.96	37.52

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FACILITIES UTILIZATION ANALYSIS PROGRAM

TABLE 3A UTILIZATION BASED ON ACTUAL PER ROOM TYPE 1 ACADEMIC CLASSROOM

ROOM	PD 15	PD 16	PD 17	PD 18	PD 19	PD 20	PD 21	PD 22	PD 23	PD 24	PD 25	PD 26	TOT
001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.67	66.67	0.0	0.0	11.54
[illegible]4	44.44	44.44	0.0	0.0	0.0	33.33	33.33	0.0	0.0	48.89	48.89	48.89	27.18
[illegible]44	22.22	0.0	0.0	13.33	13.33	13.33	31.11	31.11	31.11	0.0	0.0	0.0	27.56
[illegible]47	0.0	0.0	0.0	50.00	50.00	50.00	14.29	14.29	14.29	92.86	92.86	92.86	44.09
15[illegible]A	63.79	0.0	0.0	0.0	50.00	50.00	98.28	98.28	52.[illegible]	0.0	48.28	48.28	56.27
150	0.0	4.47	4.47	4.47	0.0	33.41	49.19	49.19	46.75	24.60	24.60	24.60	19.84
[illegible]62	34.38	0.0	0.0	0.0	40.63	40.63	65.63	65.63	37.50	37.50	12.50	12.50	53.97
115	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.14	82.14	82.14	82.14	42.86
144	67.71	0.0	0.0	27.08	27.08	77.08	77.08	77.08	27.08	64.58	64.58	64.58	51.32
146	59.38	0.0	0.0	0.0	0.0	0.0	82.29	82.29	82.29	83.33	83.33	83.33	50.72
147	0.0	0.0	0.0	0.0	0.0	50.00	50.00	50.00	0.0	92.86	92.86	92.86	54.46
149	35.92	47.25	54.21	39.64	43.[illegible]4	31.23	35.81	20.39	20.39	6.96	6.96	6.96	26.84
151	44.44	0.0	0.0	83.33	83.33	50.00	50.00	50.00	0.0	44.44	44.44	44.44	41.79
153	64.39	0.0	0.0	0.0	83.33	83.33	34.[illegible]9	34.[illegible]9	11.36	11.36	75.76	75.76	41.67
156	15.85	15.85	15.85	15.85	4.88	4.88	33.33	33.33	33.33	21.95	21.95	21.95	2[illegible].7[illegible]
157	38.46	38.46	38.46	38.46	50.00	50.00	50.00	50.00	0.0	92.31	92.31	92.31	48.72
158	85.19	0.0	0.0	0.0	31.48	21.43	64.81	33.33	33.33	64.81	64.81	64.81	50.62
159	19.21	19.21	18.55	18.55	0.0	4.52	4.52	9.[illegible]4	4.52	4.52	0.0	0.0	6.64
160	39.47	0.0	0.0	0.0	76.32	76.32	76.32	76.32	92.11	92.11	92.11	92.11	60.[illegible]9
202	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.21	73.21	75.00	75.00	4[illegible].38
203	23.53	0.0	0.0	0.0	0.0	0.0	47.[illegible]6	47.[illegible]6	47.[illegible]6	100.00	100.00	100.00	4[illegible].1[illegible]
204	0.0	0.0	0.0	28.26	28.26	28.26	79.71	79.71	79.71	79.71	79.71	79.71	42.56
205	5[illegible]	36.11	36.11	36.11	0.0	0.0	58.33	58.33	58.33	5[illegible].[illegible]8	52.[illegible]8	52.[illegible]8	39.98
206	8[illegible].43	34.78	34.78	34.78	0.0	26.09	26.09	26.09	71.74	71.74	71.74	71.74	6[illegible].7[illegible]
207	66.67	0.0	0.0	33.33	33.33	69.[illegible]5	35.71	35.71	0.0	59.52	59.52	59.52	36.81
208	45.[illegible]6	32.54	14.40	38.[illegible]2	51.23	51.23	48.41	21.34	16.57	16.64	16.64	16.64	34.28
210	0.0	46.38	46.38	46.38	0.0	76.09	76.[illegible]9	76.09	0.0		0.0	0.0	43.39
216	0.0	0.0	47.37	89.47	89.47	39.47	78.95	78.95	78.95	42.11	42.11	42.11	66.66
217	0.0	0.0	0.0	68.63	68.63	68.63	35.29	35.29	35.29	97.06	97.06	97.06	47.74
218	42.11	76.18	76.18	76.18	0.0	76.18	76.16	76.16	0.0	65.79	65.79	65.79	56.68
219	63.75	0.0	0.0	0.0	0.0	41.25	41.25	41.25	0.0	23.75	23.75	23.75	46.11
208A	39.86	0.0	0.0	34.78	34.78	0.0	0.0	47.83	47.83	36.23	36.23	36.23	18.98
219A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.00	50.00	50.00	5.77
138B	50.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.63	41.63	41.63	18.63
208B	80.43	0.0	0.0	0.0	0.0	0.0	36.23	36.23	0.0	0.0	0.0	0.0	14.[illegible]4
215B	0.0	0.0	0.0	0.0	0.0	28.57	28.57	28.57	48.21	48.21	50.00	50.00	2[illegible].8[illegible]
519	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.25	31.25	31.25	7.45
456	0.0	0.0	0.0	0.0	8.33	8.33	8.33	0.0	0.0	0.0	0.0	0.0	4.[illegible]5
TOT	33.94	16.17	14.13	22.[illegible]2	22.8[illegible]	29.[illegible]8	4[illegible].11	35.[illegible]4	28.[illegible]5	36.9[illegible]	36.25	36.85	32.66

SUMMARY OF GENERAL ROOM OCCUPANCY

ROOM	TYPE	STATIONS	OCCUPANCY
001	1	5	11.54
004	1	15	43.59
044	1	15	42.31
047	1	14	57.69
150A	1	29	57.69
056	1	41	73.08
060	1	16	72.44
109	10	23	35.26
110	10	142	48.72
111	10	85	47.44
112	10	142	55.13
114	4	34	53.85
115	1	14	53.85
119	7	32	76.92
120	7	33	57.69
121	7	33	46.15
122	7	27	58.33
123	14	26	61.54
127	8	18	53.85
128	8	20	75.64
129	8	18	69.23
130	8	21	76.92
131	8	22	50.64
132	8	13	48.72
133	8	17	56.41
134	4	35	57.69
135	4	30	37.18
136	4	22	51.28
137	4	29	49.36
138	4	17	42.31
139	2	39	57.69
141	12	8	53.85
142	13	30	64.10
143	13	31	41.03
0144	1	16	73.08
0146	1	80	67.31
0147	1	14	63.46
149	1	103	48.72
151	1	15	70.51
152	12	14	46.15
153	1	22	70.51

FACILITIES UTILIZATION ANALYSIS PROGRAM

SUMMARY OF GENERAL ROOM OCCUPANCY - CONTINUED---

ROOM	TYPE	STATIONS	OCCUPANCY
154	13	33	38.46
155	13	22	51.28
156	1	41	63.46
157	1	13	64.10
C158	1	18	69.23
C159	1	177	57.05
C160	1	19	82.69
200	13	3[illegible]	57.69
201	13	19	65.38
202	1	28	59.62
C203	1	34	80.77
C204	1	23	53.85
C205	1	24	61.54
C206	1	23	62.69
C207	1	28	53.85
208	1	169	54.49
21[illegible]	1	23	51.92
C216	1	19	76.92
C217	1	17	69.23
C218	1	19	75.[illegible]
C219	1	4[illegible]	69.23
223	13	25	41.03
224	13	12	64.1[illegible]
138A	4	53	5[illegible].2[illegible]
208A	1	23	38.46
219A	1	19	5.77
138B	1	16	33.97
339	2	34	73.08
208B	1	23	2[illegible].51
215B	1	28	38.46
519	1	8	9.62
6[illegible]	11	10[illegible]	69.23
603	11	33	75.92
604	11	32	46.15
605	11	3[illegible]	84.62
456	1	16	7.05
5[illegible]	5	29	57.69

TOTAL OCCUPANCY 55.70

VII

PUPIL TRACT AREA SURVEY

This survey was developed as a cooperative effort of Mason City administrators, counselors and teachers, and the IEIC staff. Most of the items included result from teachers' requests for information about students that would help them do a better job of planning instruction to meet the needs of students. The remainder of the items were included at the request of Mason City administrators and counselors. (See Pupil Tract Area Survey - Second Edition. IEIC-MIS Monograph VI.)

Information from this survey is disseminated to administrators, counselors, and teachers upon request. Frequency distributions for responses to survey items are made for various groups and subgroups: school, grade level, students enrolled in courses of a department students enrolled in courses, and students enrolled in particular sections of courses. The master schedule from Stanford School Scheduling System is used to select students in the various groups mentioned.

MIS PUPIL SUBSYSTEM
STUDENT SURVEY

The student survey comprises a major method of gathering information from each pupil. Following is an overview of the MIS approach to processing this information in order to maximize its usefulness. Analyses are made which relate the results to the district, schools, program areas, courses, and teachers. For convenience, a complete flowchart of the steps involved in processing the information is included in Table

In a typical district, the survey is given to each high school and to each contributing junior high. In some cases, however, it is given only to those students that will be attending a particular high school during the next year. Although each student supplies his ID (which is necessary for processing), his name may remain anonymous throughout the system.

The survey instrument consists of a questionnaire booklet and corresponding answer sheet. The questionnaire may have from 1 to 80 items, and each item may have from 1 to 10 foils. Answer sheets are optically scanned by an IBM 1230 scoring machine, which punches each student's choice for each item onto a computer card. These computer cards are kept separate for each school until they are processed by the program REFORMAT which arranges the data into the Student Survey File. The Student Survey file provides survey information to the two types of item analysis programs available.

One item analysis program is known as the Questionnaire Item Analysis (QIA). Input to this program includes a Survey Item Deck (containing computer cards indicating the contents of each item and of each foil in the survey) and the Student Survey File sorted into school order. QIA lists the number and percent of responses for each foil of each item by grade (7 through 12) and for all grades. Such information is provided for each school (see Table 2) and for the entire district (see Table 3).

The second type of item analysis program combines the survey information with the information available from the Stanford School Scheduling System (SSSS) final master file. In this way results can be related to each program area, to each course, and to each teacher. The remainder of this paper deals with this second type of item analysis.

The program MISESOIA (TRANLINE) is used to produce a Flex. Student Master File and a Master Schedule Deck from the final SSSS Master File. Appropriate program areas are assigned to each course and the Master Schedule Deck is arranged by program area. This same program area deck is used in the Resource Utilization and Salary Allocations programs.

The Survey Student File and the Flex. Student Master File are sorted by student ID to prepare them for input into a program called MISMATCH. MISMATCH combines data from the Survey Student File, the Flex. Student Master File, and the Master Schedule Deck arranged by program area to produce the MIS Student Master File which serves as input to the Survey Item Analysis Program.

Two types of information are available from the Survey Item Analysis Program through Option 1 and Option 2. Input for Option 1 includes the Survey Item Deck used by QIA, a deck of cards which provides the names of the program areas, and the MIS Student Master File sorted by program area, course, phase, and section. Survey results are reported in terms of number and percent for each foil for each item. Complete survey analysis for each program area is provided for each grade through a list similar to that produced by QIA (see Table 4). Within each program area, survey results for each item are also reported for all phase 1 sections of each course (see Table 5).

Option 2 of SIA permits each teacher to select from 1 to 10 items from the survey which pertain to each of the courses which he or she teaches. These teachers requests are punched into computer cards to produce the Teacher-Course Item Request Deck. Input to Option 2 of SIA includes the deck of program area names, the Teacher-Course Item Request Deck sorted by phase within course within teacher, and the MIS Student Master File sorted by teacher, course, phase, and section. Results in the form of number of responses and percent for each foil of each selected item are reported by teacher for each section of all requested courses (see Table 6). In this way the teacher is able to consider the distribution of answers on a specific item made by students which he or she will be teaching.

TABLE I

STUDENT SURVEY

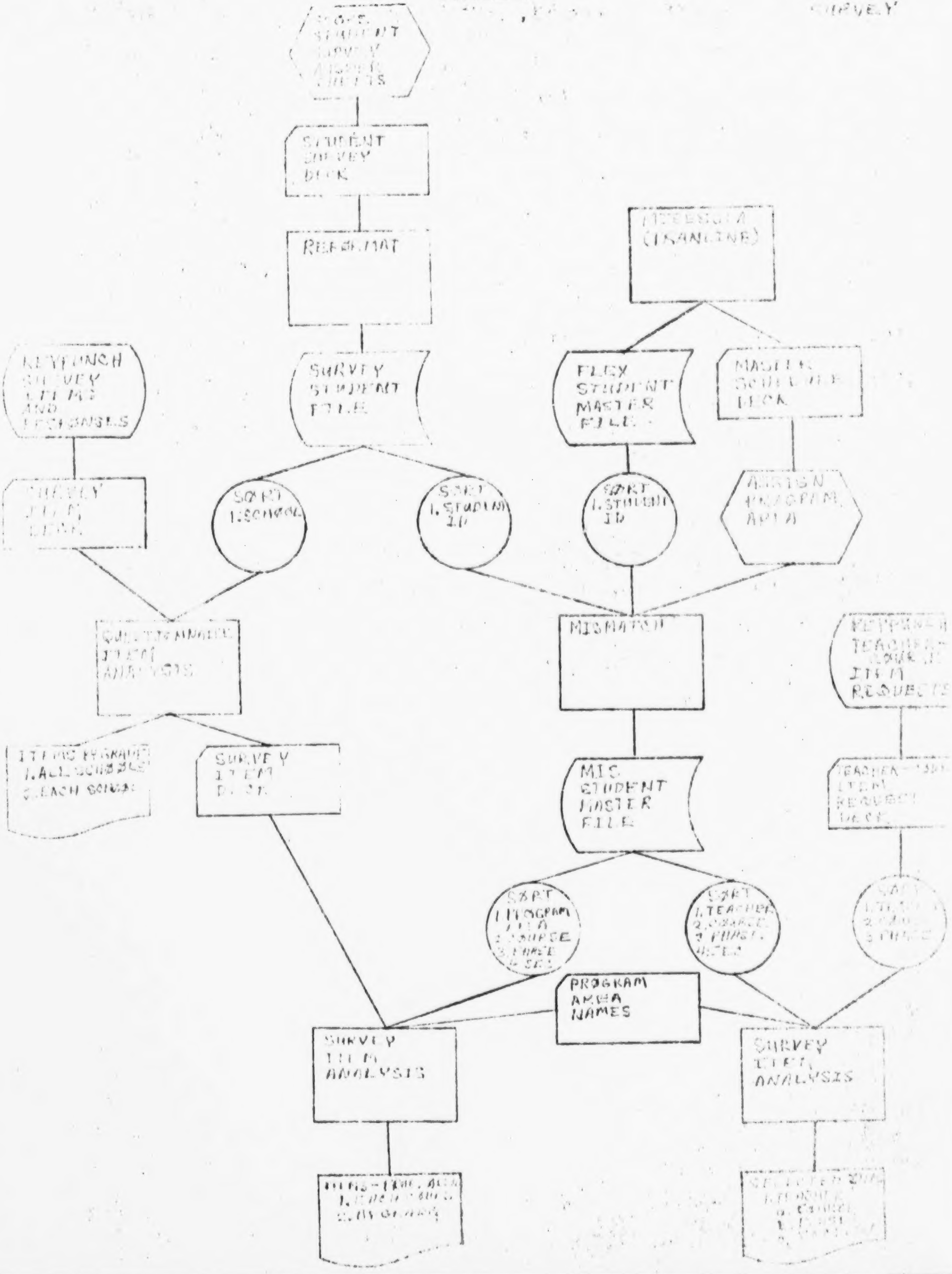
SCORE STUDENT SURVEY ANSWER SHEETS
STUDENT SURVEY DECK
REFORMAT
KEYPUNCH SURVEY ITEMS AND RESPONSES
SURVEY STUDENT FILE
SURVEY ITEM DECK
SORT 1. SCHOOL
SORT 1. STUDENT ID
MTEERSIDA (TRANCINE)
FLEX STUDENT MASTER FILE
MASTER SCHEDULE DECK
SORT 1. STUDENT ID
ASSIGN PROGRAM AREA
QUESTIONNAIRE ITEM ANALYSIS
MISMATCH
KEYPUNCH TEACHER-COURSE ITEM REQUESTS
ITEMS BY GRADE 1. ALL SCHOOLS 2. EACH SCHOOL
SURVEY ITEM DECK
MIS STUDENT MASTER FILE
TEACHER-COURSE ITEM REQUEST DECK
SORT 1. PROGRAM AREA 2. COURSE 3. PHASE 4. SEX
SORT 1. TEACHER 2. COURSE 3. PHASE 4. SEX
SORT 1. TEACHER 2. COURSE 3. PHASE
PROGRAM AREA NAMES
SURVEY ITEM ANALYSIS
SURVEY ITEM ANALYSIS
ITEMS-PROG. AREA 1. EACH COURSE 2. ALL COURSES
SELECTED ITEMS TEACHER 1. COURSE 2. PHASE 3. SEX

TABLE 2

QUESTIONNAIRE ITEM ANALYSIS PAGE- 5

SCH. 30 NAME. ALL STUDENTS BY SCHOOL

	GRADE 7			GRADE 8			GRADE 9			GRADE 10			GRADE 11			GRADE 12			TOTALS		
	N	LP	SP	N	LP	SP	N	LP	SP	N	LP	SP	N	LP	SP	N	LP	SP	N	LP	SP
19.WHICH STATEMENT DESCRIBES THE HIGHEST LEVEL OF EDUC. YOU EXPECT TO ATTAIN?																					
LESS THAN HIGH SCHOOL GRADUATION	0	0	0	0	0	0	0	0	0	1	0	0	4	1	1	0	0	0	5	1	0
HIGH SCHOOL GRADUATION	0	0	0	0	0	0	0	0	0	68	13	13	48	12	12	0	0	0	116	13	12
AFTER GRADUATION, COMPANY TRAINING	0	0	0	0	0	0	0	0	0	50	10	10	37	9	9	0	0	0	87	9	10
AFTER GRADUATION, MILITARY SERVICE	0	0	0	0	0	0	0	0	0	21	4	4	21	5	5	0	0	0	42	5	5
TECH,TRADE,BUSINESS SCHOOL LESS THAN	0	0	0	0	0	0	0	0	0	60	12	12	45	11	11	0	0	0	105	11	10
TECH,TRADE,BUSINESS SCHOOL MORE THAN	0	0	0	0	0	0	0	0	0	22	4	4	13	3	3	0	0	0	35	4	5
ATTEND SOME COLLEGE BUT NOT GRADUATE	0	0	0	0	0	0	0	0	0	12	2	2	12	3	3	0	0	0	24	3	3
COMPLETE JUNIOR COLLEGE PROGRAM	0	0	0	0	0	0	0	0	0	88	17	17	52	13	13	0	0	0	140	15	15
COLLEGE GRADUATION (BACHELOR'S DEGREE	0	0	0	0	0	0	0	0	0	134	26	26	104	26	26	0	0	0	238	26	26
BEYOND BACHELOR'S DEGREE	0	0	0	0	0	0	0	0	0	48	9	9	56	14	14	0	0	0	104	11	12
NO RESPONSE	0	0	0	0	0	0	0	0	0	14	3	3	12	3	3	0	0	0	26	3	3
TOTALS	0			0			0			518			404			0			922		
20.REASON FOR DIFFERENCE BETWEEN ANSWERS TO PRECEDING TWO QUESTIONS																					
SAME ANSWER TO BOTH QUESTIONS	0	0	0	0	0	0	0	0	0	265	51	51	227	56	56	0	0	0	492	53	53
PARENTS' WISHES, BUT I COULD NOT SUCC	0	0	0	0	0	0	0	0	0	35	7	7	19	5	5	0	0	0	54	6	6
FAMILY CANNOT AFFORD WHAT I COULD ATT	0	0	0	0	0	0	0	0	0	59	11	11	50	12	12	0	0	0	109	12	11
FAMILY RESPONSIBILITIES OR PROBLEMS	0	0	0	0	0	0	0	0	0	25	5	5	12	3	3	0	0	0	37	4	4
WANT TO MARRY AND WORK	0	0	0	0	0	0	0	0	0	39	8	8	27	7	7	0	0	0	66	7	7
DON'T WANT TO CONTINUE BEYOND MARK ON	0	0	0	0	0	0	0	0	0	44	8	8	36	9	9	0	0	0	80	9	9
EXPECT TO GO INTO ARMED FORCES	0	0	0	0	0	0	0	0	0	16	3	3	16	4	4	0	0	0	32	3	4
NO RESPONSE	0	0	0	0	0	0	0	0	0	35	7	7	17	4	4	0	0	0	52	6	5
TOTALS	0			0			0			518			404			0			922		
21.GIRLS ONLY--AFTER YOU FINISH SCHOOL, WHAT DO YOU EXPECT TO DO?																					
FULL TIME CAREER OTHER THAN HOMEMAKER	0	0	0	0	0	0	0	0	0	44	8	8	32	8	8	0	0	0	76	8	8
FULL TIME CAREER THEN CAREER-HOMEMAKE	0	0	0	0	0	0	0	0	0	95	18	18	82	20	20	0	0	0	177	19	19
FULL TIME CAREER THEN ONLY HOMEMAKER	0	0	0	0	0	0	0	0	0	81	16	16	53	13	13	0	0	0	134	15	13
BOTH CAREER AND HOMEMAKER FROM START	0	0	0	0	0	0	0	0	0	40	8	8	33	8	8	0	0	0	73	8	9
BE A FULL TIME HOM-MAKER	0	0	0	0	0	0	0	0	0	17	3	3	15	4	4	0	0	0	32	3	3
NO RESPONSE	0	0	0	0	0	0	0	0	0	241	47	47	189	47	47	0	0	0	430	47	48
TOTALS	0			0			0			518			404			0			922		
22.WHICH TYPE OF SCHOOL DO YOU EXPECT TO ATTEND AFTER YOU FINISH HIGH SCHOOL?																					
DON'T EXPECT TO ATTEND ANY SCHOOL	0	0	0	0	0	0	0	0	0	105	20	20	89	22	22	0	0	0	194	21	18
BUSINESS SCHOOL	0	0	0	0	0	0	0	0	0	34	7	7	24	6	6	0	0	0	58	6	6
APPRENTISHIP TRAINING PROGRAM	0	0	0	0	0	0	0	0	0	12	2	2	18	4	4	0	0	0	30	3	4
REGISTERED NURSING LESS THAN B.S. DEG	0	0	0	0	0	0	0	0	0	16	3	3	9	2	2	0	0	0	25	3	3
TRADE SCHOOL	0	0	0	0	0	0	0	0	0	44	8	8	33	8	8	0	0	0	77	8	9
TECHNICAL SCHOOL	0	0	0	0	0	0	0	0	0	13	3	3	7	2	2	0	0	0	20	2	3
JUNIOR COLLEGE-AREA COLLEGE-VOC.SCH.	0	0	0	0	0	0	0	0	0	135	26	26	106	26	26	0	0	0	241	26	26
COLLEGE (4 YEARS OR MORE)	0	0	0	0	0	0	0	0	0	129	25	25	105	26	26	0	0	0	234	25	26
NO RESPONSE	0	0	0	0	0	0	0	0	0	31	6	6	12	3	3	0	0	0	43	5	5
TOTALS	0			0			0			518			404			0			922		

TABLE 3

QUESTIONNAIRE ITEM ANALYSIS PAGE- 8

SUMMARY

	GRADE 7		GRADE 8		GRADE 9		GRADE 10		GRADE 11		GRADE 12		TOTAL	
	N	PC	N	PC	N	PC	N	PC	N	PC	N	PC	N	PC
29.HOW DO YOU FEEL ABOUT HOMEWORK?														
TEACHERS GIVE US TOO MUCH	0	0	0	0	156	33	111	21	87	22	0	0	354	25
I LIKE THE AMOUNT TEACHERS NOW GIV U	0	0	0	0	297	62	370	71	287	71	0	0	954	68
TEACHERS GIVE US TOO LITTLE	0	0	0	0	11	2	14	3	17	4	0	0	42	3
NO RESPONSE	0	0	0	0	15	3	23	4	13	3	0	0	51	4
TOTALS	0		0		479		518		404		0		1401	
30.DO YOU HAVE A CAR OF YOUR OWN (OR CONSIDERED ONLY YOURS TO USE)?														
YES	0	0	0	0	29	6	80	15	113	28	0	0	222	16
NO	0	0	0	0	443	92	426	82	282	70	0	0	1151	82
NO RESPONSE	0	0	0	0	7	1	12	2	9	2	0	0	28	2
TOTALS	0		0		479		518		404		0		1401	
31.HOW OFTEN DO YOU DRIVE YOUR PARENTS' CAR?														
NEVER	0	0	0	0	325	68	203	39	103	25	0	0	631	45
ONCE A WEEK	0	0	0	0	50	10	69	13	55	14	0	0	174	12
TWICE A WEEK	0	0	0	0	24	5	46	9	33	8	0	0	103	7
THREE-TIMES A WEEK	0	0	0	0	24	5	50	10	41	10	0	0	115	8
FOUR TIMES A WEEK	0	0	0	0	13	3	33	6	29	7	0	0	75	5
FIVE OR MORE TIMES A WEEK	0	0	0	0	34	7	105	20	137	34	0	0	276	20
NO RESPONSE	0	0	0	0	9	2	12	2	6	1	0	0	27	2
TOTALS	0		0		479		518		404		0		1401	
32.WHEN YOU FINISH YOUR EDUCATION,WHAT SORT OF JOB DO YOU THINK YOU WILL HAVE?														
TECHNICAL	0	0	0	0	43	9	38	7	31	8	0	0	112	8
OFFICIAL	0	0	0	0	13	3	19	4	12	3	0	0	44	3
MANAGER OR PROPRIETOR OR OWNER	0	0	0	0	11	2	21	4	27	7	0	0	59	4
SEMI-SKILLED WORKER OR CLERICAL WORKE	0	0	0	0	59	12	57	11	63	16	0	0	179	13
SERVICE WORKER	0	0	0	0	22	5	33	6	24	6	0	0	79	6
SALESMAN	0	0	0	0	11	2	6	1	2	0	0	0	19	1
FARM OR RANCH MANAGER OR OWNER	0	0	0	0	26	5	15	3	9	2	0	0	50	4
WORKMAN OR LABORER	0	0	0	0	16	3	28	5	23	6	0	0	67	5
PROFESSIONAL	0	0	0	0	194	41	184	36	143	35	0	0	521	37
SKILLED WORKER OR FOREMAN	0	0	0	0	55	11	58	11	43	11	0	0	156	11
NO RESPONSE	0	0	0	0	29	6	59	11	27	7	0	0	115	8
TOTALS	0		0		479		518		404		0		1401	
33.WHICH PERSON HAS GIVEN BEST HELP IN SELECTING YOUR SCHOOL SUBJECTS?														
TEACHER	0	0	0	0	24	5	22	4	22	5	0	0	68	5
COUNSELOR	0	0	0	0	323	67	255	49	173	43	0	0	751	54
STUDENT	0	0	0	0	41	9	73	14	72	18	0	0	186	13
PRINCIPAL	0	0	0	0	2	0	6	1	1	0	0	0	9	1
NO ONE	0	0	0	0	80	17	152	29	129	32	0	0	361	26
NO RESPONSE	0	0	0	0	9	2	10	2	7	2	0	0	26	2
TOTALS	0		0		479		518		404		0		1401	

COURSE-21047   COURSE NAME-CONT FICT   ENR-020

```
            ITEM  01        ITEM  02        ITEM  03        ITEM  04        ITEM  05        ITEM  06        ITEM  07        ITEM  08        ITEM  09        ITEM  10
            NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT
    A         44   47          0    0         27   29         12   13          2    2         17   18          3    3          5    5          1    1          4    4
    B         50   53         25   27         39   41         31   33          7    7         23   24          3    3          5    5          0    0         13   14
A   C                         60   64          8    9         26   28         12   13          5    5          4    4          4    4          5    5         10   11
N   D                          9   10          9   10         11   12         67   71         44   47         77   82         70   74         78   83         59   63
S   E                          0    0          6    6         11   12
W   F                          0    0          4    4          2    2
E   G                          0    0                          1    1
R   H
S   I
    J
    X          0    0          0    0          1    1          0    0          6    6          5    5          7    7         10   11         10   11          8    9

            ITEM  11        ITEM  12        ITEM  13        ITEM  14        ITEM  15        ITEM  16        ITEM  17        ITEM  18        ITEM  19        ITEM  20
            NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT
    A          8    9          6    6         10   11          6    6          2    2         37   39         13   14          0    0          1    1         46   49
    B         15   16         21   22         11   12          3    3          5    5         38   40         25   27          2    2          5    5          6    6
A   C          3    3         37   39          6    6          3    3          8    9         13   14         41   44          6    6          6    6         17   18
N   D         61   65         27   29         20   21         33   35         36   38          3    3         12   13          3    3          1    1          6    6
S   E                                         11   12          8    9         42   45          2    2          1    1         10   11          8    9          6    6
W   F                                          3    3          6    6                                                          5    5          7    7          8    9
E   G                                          0    0          4    4                                                          1    1          3    3          2    2
R   H                                         30   32         28   30                                                          8    9         15   16
S   I                                                                                                                         25   27         30   32
    J                                                                                                                         32   34         16   17
    X          7    7          3    3          3    3          3    3          1    1          1    1          2    2          2    2          2    2          3    3

            ITEM  21        ITEM  22        ITEM  23        ITEM  24        ITEM  25        ITEM  26        ITEM  27        ITEM  28        ITEM  29        ITEM  30
            NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT
    A          5    5         11   12          7    7         11   12          8    9          7    7         13   14          8    9         17   18         17   18
    B         22   23          1    1         18   19          3    3          5    5          7    7          9   10          7    7         68   72         75   80
A   C         17   18          1    1         31   33         12   13          9   10         11   12          8    9         19   20          4    4
N   D          7    7          3    3          3    3         33   35          5    5          5    5         12   13         14   15
S   E          2    2          9   10          0    0         27   29          7    7         13   14          9   10         14   15
W   F                          3    3          0    0          6    6         10   11          6    6          8    9          7    7
E   G                         25   27          1    1                         13   14         12   13          7    7          3    3
R   H                         38   40          1    1                         19   20         13   14         12   13          5    5
S   I                                          1    1                          7    7          6    6          9   10          7    7
    J                                         31   33                          9   10         12   13          5    5          9   10
    X         41   44          3    3          1    1          2    2          2    2          2    2          2    2          1    1          5    5          2    2

            ITEM  31        ITEM  32        ITEM  33        ITEM  34        ITEM  35        ITEM  36        ITEM  37        ITEM  38        ITEM  39        ITEM  40
            NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT       NCNT  PCT
    A         30   32          6    6          2    2         24   26          2    2          2    2          9   10          6    6         14   15         37   39
    B         12   13          3    3         46   49          4    4         26   28         15   16          5    5          2    2         18   19         28   30
A   C          9   10          2    2         16   17         11   12          3    3          9   10         44   47         52   55         41   44          3    3
N   D         11   12          4    4          0    0          0    0          1    1          0    0          1    1          0    0          3    3          0    0
S   E          6    6          5    5         28   30         53   56         60   64         65   69         34   36         32   34         15   16         23   24
W   F         24   26          0    0
E   G                          2    2
R   H                          3    3
S   I                         51   54
    J                         10   11
    X          2    2          8    9          2    2          2    2          2    2          3    3          1    1          2    2          3    3          3    3
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TABLE 4 (Continued)

PROGRAM AREA-01.LANG. ARTS MASON CITY HIGH SCHOOL STUDENT SURVEY FOR 1971-72 09/10/71

COURSE-21047 COURSE NAME-CONT FICT ENR-020

		ITEM 41		ITEM 42		ITEM 43		ITEM 44		ITEM 45		ITEM 46		ITEM 47		ITEM 48		ITEM 49		ITEM 50	
		NCNT	PCT	NCNT	PCT	NCNT	PCT	NCNT	PCT	NCNT	PCT	NCNT	PCT	NCNT	PCT	NCNT	PCT	NCNT	PCT	NCNT	PCT
	A	2	2	78	83	10	11	67	71	12	13	25	27	27	29	29	31	77	82	76	81
	B	12	13	15	16	14	15	26	28	65	69	24	26	9	10	11	12	2	2	8	9
A	C	34	36			45	48			9	10	22	23	4	4	10	11	6	6	0	0
N	D	0	0			18	19			4	4	16	17	8	9	28	30	0	0	1	1
S	E	43	46			6	6			1	1	4	4	33	35	10	11	4	4	2	2
W	F													11	12	3	3	0	0	2	2
E	G																	3	3	1	1
R	H																			0	0
S	I																			0	0
	J																			2	2
	X	3	3	1	1	1	1	1	1	3	3	3	3	2	2	3	3	2	2	2	2

		ITEM 51		ITEM 52		ITEM 53		ITEM 54		ITEM 55		ITEM 56		ITEM 57		ITEM 58		ITEM 59		ITEM 60	
		NCNT	PCT	NCNT	PCT	NCNT	FCT	NCNT	PCT	NCNT	PCT	NCNT	PCT	NCNT	PCT	NCNT	PCT	NCNT	PCT	NCNT	PCT
	A	2	2	0	0	5	5	3	3	32	34	13	14	25	27	38	40	34	36	38	40
	B	6	6	0	0	5	5	2	2	4	4	14	15	15	16	10	11	11	12	10	11
A	C	15	16	5	5	16	17	9	10	34	36	16	17	7	7	9	10	7	7	8	9
N	D	15	16	21	22	26	28	43	46	13	14	11	12	6	6	4	4	6	6	4	4
S	E	2	2	8	9	10	11	5	5			12	13	11	12	7	7	5	5	3	3
W	F	7	7	1	1	4	4	6	6			6	6	3	3	2	2	5	5	6	6
E	G	2	2	0	0	5	5	6	6			6	6	4	4	4	4	2	2	2	2
R	H	5	5	5	5	8	9	12	13			5	5	2	2	1	1	1	1	3	3
S	I	13	14	13	14	6	6	0	0			5	5	2	2	1	1	2	2	1	1
	J	20	21	0	0	2	2	0	0			0	0	0	0	0	0	2	2	0	0
	X	7	7	41	44	7	7	8	9	11	12	6	6	19	20	18	19	19	20	19	20

		ITEM 61		ITEM 62		ITEM 63		ITEM 64	
		NCNT	PCT	NCNT	PCT	NCNT	PCT	NCNT	PCT
	A	13	14	17	18	20	21	21	22
	B	4	4	12	13	10	11	10	11
A	C	11	12	7	7	6	6	10	11
N	D	10	11	10	11	12	13	13	14
S	E	8	9	8	9	11	12	12	13
W	F	6	6	3	3	6	6	8	9
E	G	3	3	4	4	5	5	5	5
R	H	2	2	1	1	8	9	4	4
S	I	8	9	7	7	6	6	4	4
	J	4	4	0	0	4	4	2	2
	X	25	27	25	27	6	6	5	5

	GRADE 7		GRADE 8		GRADE 9		GRADE 10		GRADE 11		GRADE 12		TOTAL	
	N	PC	N	PC	N	PC	N	PC	N	PC	N	PC	N	PC
16.HOW GOOD A STUDENT DO YOU WANT TO BE IN SCHOOL?														
A ONE OF THE BEST STUDENTS IN MY CLASS	0	0	0	0	17	23	134	21	106	24	0	0	257	22
B ABOVE THE MIDDLE OF THE CLASS	0	0	0	0	36	49	261	41	183	42	0	0	480	42
C IN THE MIDDLE OF THE CLASS	0	0	0	0	15	21	185	29	101	23	0	0	301	26
D JUST GOOD ENOUGH TO GET BY	0	0	0	0	3	4	29	5	26	6	0	0	58	5
E I DON'T CARE	0	0	0	0	0	0	9	1	11	3	0	0	20	2
X NO RESPONSE	0	0	0	0	2	3	17	3	8	2	0	0	27	2
TOTALS	0		0		73		635		435		0		1143	
17.HOW CLOSE DO YOU COME TO DOING THE BEST WORK YOU ARE ABLE TO DO IN SCHOOL?														
A VERY CLOSE	0	0	0	0	5	7	53	8	46	11	0	0	104	9
B QUITE CLOSE	0	0	0	0	23	32	156	25	111	26	0	0	290	25
C SOMEWHAT CLOSE	0	0	0	0	28	38	290	46	167	38	0	0	485	42
D NOT VERY CLOSE	0	0	0	0	15	21	114	18	87	20	0	0	216	19
E NOT AT ALL CLOSE	0	0	0	0	0	0	9	1	17	4	0	0	26	2
X NO RESPONSE	0	0	0	0	2	3	13	2	7	2	0	0	22	2
TOTALS	0		0		73		635		435		0		1143	
18.WHICH STATEMENT DESCRIBES THE HIGHEST LEVEL OF EDUCATION YOU COULD ATTAIN?														
A LESS THAN HIGH SCHOOL GRADUATION	0	0	0	0	1	1	3	0	5	1	0	0	9	1
B HIGH SCHOOL GRADUATION	0	0	0	0	9	12	57	9	30	7	0	0	96	8
C AFTER GRADUATION, COMPANY TRAINING	0	0	0	0	4	5	76	12	43	10	0	0	123	11
D AFTER GRADUATION, MILITARY SERVICE	0	0	0	0	2	3	35	6	19	4	0	0	56	5
E TECH,TRADE,BUSINESS SCHOOL LESS THAN 2YR	0	0	0	0	5	7	70	11	31	7	0	0	106	9
F TECH,TRADE,BUSINESS SCHOOL MORE THAN 2YR	0	0	0	0	2	3	25	4	19	4	0	0	46	4
G ATTEND SOME COLLEGE BUT NOT GRADUATE	0	0	0	0	0	0	14	2	5	1	0	0	19	2
H COMPLETE A JUNIOR COLLEGE PROGRAM	0	0	0	0	4	5	77	12	44	10	0	0	125	11
I COLLEGE GRADUATION (BACHELOR'S DEGREE)	0	0	0	0	20	27	152	24	112	26	0	0	284	25
J BEYOND BACHELOR'S DEGREE	0	0	0	0	24	33	112	18	118	27	0	0	254	22
X NO RESPONSE	0	0	0	0	2	3	14	2	9	2	0	0	25	2
TOTALS	0		0		73		635		435		0		1143	
19.WHICH STATEMENT DESCRIBES THE HIGHEST LEVEL OF EDUC. YOU EXPECT TO ATTAIN?														
A LESS THAN HIGH SCHOOL GRADUATION	0	0	0	0	1	1	1	0	3	1	0	0	5	0
B HIGH SCHOOL GRADUATION	0	0	0	0	9	12	87	14	50	11	0	0	146	13
C AFTER GRADUATION, COMPANY TRAINING	0	0	0	0	3	4	63	10	35	8	0	0	101	9
D AFTER GRADUATION, MILITARY SERVICE	0	0	0	0	1	1	23	4	25	6	0	0	49	4
E TECH,TRADE,BUSINESS SCHOOL LESS THAN 2YR	0	0	0	0	7	10	73	11	35	8	0	0	115	10
F TECH,TRADE,BUSINESS SCHOOL MORE THAN 2YR	0	0	0	0	2	3	28	4	12	3	0	0	42	4
G ATTEND SOME COLLEGE BUT NOT GRADUATE	0	0	0	0	1	1	15	2	10	2	0	0	26	2
H COMPLETE A JUNIOR COLLEGE PROGRAM	0	0	0	0	7	10	122	19	61	14	0	0	190	17
I COLLEGE GRADUATION (BACHELOR'S DEGREE)	0	0	0	0	24	33	159	25	121	28	0	0	304	27
J BEYOND BACHELOR'S DEGREE	0	0	0	0	16	22	48	8	70	16	0	0	134	12
X NO RESPONSE	0	0	0	0	2	3	16	3	13	3	0	0	31	3
TOTALS	0		0		73		635		435		0		1143	

TABLE 6

```
TEACHER NAME-BARTLESON     NUMBER-004   MASON CITY HIGH SCHOOL STUDENT SURVEY FOR 1971-72        1 /04/71        PAGE

COURSE-11024   SEC-01   SEQ-0036   COURSE NAME-RHETORIC    PROGRAM AREA-01.LANG. ARTS    ROOM 146   ENR  63   TOTAL NCNT-0049
          ITEM  04   ITEM  18   ITEM  22   ITEM  25   ITEM  26   ITEM  28   ITEM  32   ITEM  47   ITEM  48   ITEM  55
          NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT
       A    15   31     0    0     4    8     8   16     3    6     2    4     6   12     9   15    12   24    19   39
       B    12   24     4    8     3    6     1    2     2    4     4    8     1    2     6   12     5   10     1    2
    A  C    19   39     4    8     3    6     4    8     1    2     9   18     0    0     3    6     4    8    19   39
    N  D     2    4     0    0     0    0     0    0     5   10     7   14     6   12     5   10    12   24     9   18
    S  E     1    2     5   10     6   12     4    8    12   24     5   10     2    4    21   43     9   18
    W  F     0    0     4    8     0    0     1    2     3    6     8   16     0    0     5   10     6   12
    E  G     0    0     0    0    17   35    12   24     4    8     6   12     3    6
    R  H                9   18    14   29     6   12     7   14     1    2     1    2
    S  I                9   18               5   10     5   10     7   14    19   39
       J               12   24               8   16     7   14     0    0     9   18
       X     0    0     2    4     2    4     0    0     0    0     0    0     2    4     0    0     1    2     1    2

COURSE-11024   SEC-02   SEQ-0037   COURSE NAME-RHETORIC    PROGRAM AREA-01.LANG. ARTS    ROOM-0146   ENR-049   TOTAL NCNT-0047
          ITEM  04   ITEM  18   ITEM  22   ITEM  25   ITEM  26   ITEM  28   ITEM  32   ITEM  47   ITEM  48   ITEM  55
          NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT
       A     5   11     0    0     1    2     5   11     2    4     8   17     3    6    11   23    15   32    13   28
       B    13   28     1    2     8   17     2    4     1    2     2    4     2    4     3    6     6   13     5   11
    A  C    14   30     4    9     2    4     2    4     4    9    11   23     1    2     5   11     8   17    25   53
    N  D    11   23     1    2     1    2     2    4     2    4     5   11     7   15     9   19     5   11     3    6
    S  E     3    6     6   13     3    6     7   15     9   19     4    9     1    2    15   32     8   17
    W  F     1    2     1    2     2    4     0    0     7   15     3    6     1    2     4    9     5   11
    E  G     0    0     2    4    17   36    15   32     5   11     0    0     4    9
    R  H                7   15    12   26     4    9     5   11     6   13     0    0
    S  I               13   28               3    6     6   13     6   13    21   45
       J               11   23               6   13     6   13     2    4     5   11
       X     0    0     1    2     1    2     1    2     0    0     0    0     2    4     0    0     0    0     1    2

COURSE-11024   SEC-03   SEQ-0038   COURSE NAME-RHETORIC    PROGRAM AREA-01.LANG. ARTS    ROOM-0146   ENR-054   TOTAL NCNT-0049
          ITEM  04   ITEM  18   ITEM  22   ITEM  25   ITEM  26   ITEM  28   ITEM  32   ITEM  47   ITEM  48   ITEM  55
          NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT
       A     7   14     0    0     3    6     9   18     6   12     8   16     5   10    13   27     8   16    19   39
       B    17   35     2    4     2    4     1    2     1    2     3    6     2    4     4    8    10   20     3    6
    A  C    12   24     4    8     5   10     2    4     3    6     4    8     0    0     2    4     4    8    19   39
    N  D     5   10     2    4     4    8     1    2     1    2     4    8     3    6     6   12    14   29     6   12
    S  E     3    6     5   10     1    2     4    8     3    6     8   16     1    2    19   39    10   20
    W  F     3    6     2    4     3    6     3    6     9   18     5   10     0    0     5   10     3    6
    E  G     1    2     0    0    12   24     8   16     9   18     3    6     4    8
    R  H                5   10    17   35    12   24     5   10     8   16     1    2
    S  I               14   29               4    8     6   12     5   10    26   53
       J               15   31               5   10     5   10     1    2     5   10
       X     1    2     0    0     2    4     0    0     1    2     0    0     2    4     0    0     0    0     2    4

COURSE-11024   SEC-04   SEQ-0039   COURSE NAME-RHETORIC    PROGRAM AREA-01.LANG. ARTS    ROOM-0146   ENR-053   TOTAL NCNT-0048
          ITEM  04   ITEM  18   ITEM  22   ITEM  25   ITEM  26   ITEM  28   ITEM  32   ITEM  47   ITEM  48   ITEM  55
          NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT  NCNT  PCT
       A    11   23     0    0     5   10     7   15     4    8     4    8     9   19    11   23    12   25    15   31
       B    17   35     4    8     1    2     2    4     1    2     3    6     1    2     6   13     5   10     0    0
    A  C    11   23     4    8     3    6     1    2     2    4     9   19     1    2     1    2     4    8    21   44
    N  D     5   10     2    4     0    0     2    4     1    2     8   17     4    8     6   13    11   23     6   13
    S  E     2    4     4    8     5   10     5   10     9   19     6   13     2    4    19   40    12   25
    W  F     2    4     4    8     2    4     5   10     3    6     1    2     0    0     5   10     4    8
    E  G     0    0     0    0    11   23    14   29     7   15     4    8     1    2
    R  H                3    6    13   27     3    6    12   25     4    8     1    2
    S  I               16   33               3    6     1    2     5   10    22   46
       J               10   21               7   15     7   15     3    6     5   10
       X
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TABLE [illegible] (Continued)

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TEACHER NAME-BARTLE[illegible]   NUMBER-004   MASON CITY HIGH SCHOOL STUDENT SURVEY FOR 1971-72          10/[illegible]/71          PAGE  10

COURSE-11024   SEC-[illegible]   SEQ-0040   COURSE NAME-RHETORIC      PROGRAM AREA-01.LANG. ARTS      ROOM-0146   ENR-051   TOTAL NCNT-0042
            ITEM  04    ITEM  18    ITEM  22    ITEM  25    ITEM  26    ITEM  28    ITEM  32    ITEM  47    ITEM  48    ITEM  55
            NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT
        A      9   21      0    0      3    7      7   17      3    7      3    7      5   12      8   19      7   17     15   36
        B     12   29      3    7      0    0      0    0      3    7      4   10      1    2      2    5      3    7      1    2
      A C     18   43      3    7      2    5      5   12      3    7      8   19      2    5      0    0      8   19     18   43
      N D      2    5      1    2      5   12      2    5      3    7      4   10      2    5      2    5     17   40      7   17
      S E      1    2      3    7      6   14      4   10      3    7      8   19      1    2     26   62      5   12
      W F      0    0      2    5      1    2      2    5      6   14      4   10      1    2      4   10      2    5
      E G      0    0      0    0     11   26     10   24      6   14      0    0      1    2
      R H                  8   19     14   33      3    7      6   14      4   10      0    0
      S I                 13   31                  5   12      4   10      6   14     23   55
        J                  9   21                  4   10      5   12      1    2      4   10
        X      0    0      0    0      0    0      0    0      0    0      0    0      2    5      0    0      0    0      1    2

COURSE-11024   SEC-05   SEQ-0041   COURS  NAME-RHETORIC      PROGRAM AREA-01.LANG. ARTS      ROOM-0146   ENR-045   TOTAL NCNT-0044
            ITEM  04    ITEM  18    ITEM  22    ITEM  25    ITEM  26    ITEM  28    ITEM  32    ITEM  47    ITEM  48    ITEM  55
            NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT
        A      9   20      0    0      3    7      3    7      8   18      3    7      2    5     13   30     12   27     20   45
        B     16   36      4    9      6   14      0    0      3    7      2    5      1    2      4    9      6   14      4    9
      A C     12   27      7   16      1    2      2    5      2    5     10   23      0    0      3    7      3    7     16   36
      N D      4    9      0    0      1    2      1    2      4    9      7   16     12   27      4    9      6   14      4    9
      S E      3    7      3    7      3    7      6   14      8   18      0    0      2    5     14   32      9   20
      W F           0      3    7      0    0      6   14      2    5      7   16      2    5      6   14      8   18
      E G      0    0      0    0     12   27      9   20      7   16      1    2      0    0
      R H                  6   14     15   34      8   18      1    2      6   14      0    0
      S I                 10   23                  2    5      2    5      5   11     16   36
        J                 11   25                  6   14      7   16      3    7      3    7
        X      0    0      0    0      3    7      1    2      0    0      0    0      6   14      0    0      0    0      0    0

COURSE-11024   SEC-07   SEQ-0042   COURSE NAME-RHETORIC      PROGRAM AREA-01.LANG. ARTS      ROOM-0146   ENR-027   TOTAL NCNT-0025
            ITEM  04    ITEM  18    ITEM  22    ITEM  25    ITEM  26    ITEM  28    ITEM  32    ITEM  47    ITEM  48    ITEM  55
            NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT
        A      4   16      0    0      1    4      5   20      3   12      2    8      2    8      7   28      8   32      8   32
        B      4   16      1    4      1    4      0    0      1    4      3   12      0    0      1    4      3   12      2    8
      A C      9   36      4   16      1    4      2    8      1    4      3   12      0    0      2    8      2    8     11   44
      N D      2    8      0    0      1    4      0    0      3   12      2    8      1    4      3   12      8   32      4   16
      S E      4   16      0    0      1    4      2    8      6   24      3   12      0    0      8   32      4   16
      W F      1    4      2    8      1    4      1    4      1    4      2    8      0    0      4   16      0    0
      E G      1    4      0    0      6   24      1    4      3   12      1    4      0    0
      R H                  3   12     12   48      9   36      1    4      0    0      4   16
      S I                  6   24                  1    4      1    4      9   36     18   72
        J                  9   36                  4   16      4   16      0    0      0    0
        X      0    0      0    0      1    4      0    0      1    4      0    0      0    0      0    0      0    0      0    0

COURSE-11024   SEC-08   SEQ-0043   COURSE NAME-RHETORIC      PROGRAM AREA-01.LANG. ARTS      ROOM-0146   ENR-054   TOTAL NCNT-0048
            ITEM  04    ITEM  18    ITEM  22    ITEM  25    ITEM  26    ITEM  28    ITEM  32    ITEM  47    ITEM  48    ITEM  55
            NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT   NCNT  PCT
        A      8   17      0    0      5   10      2    4      5   10      2    4      1    2      9   19     12   25     16   33
        B     16   33      4    8      1    2      2    4      1    2      7   15      1    2      3    6      6   13      5   10
      A C     17   35      3    6      1    2      1    2  [illegible]    4    8      3    6      4    8      4    8     22   46
      N D      3    6      0    0      3    6      3    6      3    6      6   13      4    8      4    8     12   25      5   10
      S E      3    6      1    2      0    0      4    8     10   21      6   13      1    2     22   46      7   15
      W F      0           3    6      2    4      3    7      4    8      7   15      2    4      6   13      7   15
      E G      0           0    0     16   33     10   21      5   10      4    8      3    6
        H                 12   25     16   33      7   15  [illegible]    3    6      1    2
        I                 13   27                  3    6      7   15      8   17     26   54
        J                 12   25            [illegible]  1[illegible]   6   13  [illegible]    4  [illegible]
        X      1    2  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]
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VIII

RESOURCE UTILIZATION BY PROGRAM AREA

The printouts which follow provide an indication of the way in which the resources of teachers, rooms, and pupils are utilized with respect to time. The reader is referred to IEIC-MIS Monograph VII - Resource Allocation for a full explanation.

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      MASON CITY HIGH SCHOOL
                                                   JANUARY 5, 1972                PAGE    I
                     RESOURCE UTILIZATION BY PROGRAM AREA

  CONTROL INFORMATION FROM PROGRAM

  BASIC SCHOOL DATA
       MODS/DAY      26
       DAYS/WEEK      6
       MINS/MOD      15
       STUDENTS  1586.
       TEACHERS   130.
       ROOMS      106.
       MODS/LUNCH     2
       TCHR TEAMS    95
       ROOM TEAMS    34

  TOTAL AVAILABILITIES FOR SCHOOL (IN MINUTES)

       STUDENTS  3425760.
       TEACHERS   3142[illegible]0.
       ROOMS      2480[illegible].

  AVAILABILITIES BY PROGRAM AREA (IN MINUTES)
       PROGRAM AREA              STUDENTS        TEACHERS          ROOMS

       LANG. ARTS                 313680.         24045.          1923[illegible]
       FOREIGN LANG                72240           660.            630.
       SOC. SCIENCE               268170.          18345           1347[illegible]
       MATHEMATICS                16[illegible]20          1197[illegible]           9000
       SCIENCE                    2[illegible]7150          1[illegible]620.          10095
       BUS. EDUC.                 1[illegible]1[illegible]10.           5775            5775.
       HOME ECON                  1[illegible]8420            7995.           7935.
       ART                         62400.          3900            3600.
       VOC. AGRIC.                 26925.          192[illegible].            282[illegible].
       IND. ARTS                  114240           7665.           7665
       PHYS ED.                   256860           972[illegible].            648[illegible].
       MUSIC INSTRU                65520.          2730.           243[illegible].
       MUSIC VOCAL                 58770           1380            111[illegible].
       DRIVER EDUC.                74145           7515.           2115.
       TRADES & IND               127740.           840.            390.
       COOP OFF ED                 61200            660             660
       D.E. COOP                   2[illegible]565.          1080.           1080.
       AG. OCCUP.                  12600            180.            180.
       WORK-STUDY                  21390           3150            1710.
       OTHER                       65430.          159[illegible].            435.
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RESOURCE UTILIZATION BY PROGRAM AREA

PROGRAM AND SCHOOL SUMMARY INFORMATION

PROGRAM AREA	MEETING TIME	SECTIONS	PUPILS		TEACHERS		ROOMS		TIME (BASED ON SCHOOL TOTALS)		
	TOT MINS	NO.	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	PUPILS	TEACHERS	ROOMS
LANG. ARTS	4185	178	1647	103.85	17	13.08	18	16.98	9.156	7.904	7.753
FOREIGN LANG	3090	40	392	24.72	6	4.62	9	8.49	2.169	2.170	2.540
SOC. SCIENCE	2190	93	1432	90.29	17	13.08	15	14.15	7.828	6.031	5.431
MATHEMATICS	2835	52	813	51.26	8	6.15	9	8.49	4.671	3.935	3.628
SCIENCE	2425	48	792	49.94	9	6.92	9	8.49	6.047	3.491	4.070
BUS. EDUC.	3270	53	505	31.84	7	5.38	9	8.49	2.966	1.898	2.328
HOME ECON.	2145	51	555	34.99	6	4.62	9	8.49	3.165	2.628	3.199
ART	153	12	236	14.88	3	2.31	2	1.89	1.823	1.006	1.234
VOC. AGRIC.	1125	12	111	7.[illegible]	2	1.54	4	3.77	0.786	0.631	1.137
IND. ARTS	3345	39	581	36.63	7	5.38	8	7.55	3.335	2.520	3.090
PHYS. ED.	1[illegible]8[illegible]	36	1427	89.97	7	5.38	4	3.77	7.498	3.195	2.612
MUSIC INSTRU	231	34	307	19.36	3	2.31	2	1.89	1.913	0.897	0.986
MUSIC VOCAL	111	1[illegible]	267	16.83	2	1.54	1	0.94	1.716	0.454	0.448
DRIVER EDUC	495	12[illegible]	419	26.42	5	3.85	2	1.89	2.164	2.470	0.853
TRADES & IND	246	1[illegible]	214	13.49	2	1.54	1	0.94	3.729	0.276	0.157
COOP OFF ED	26	3	17	1.07	1	0.77	1	0.94	0.179	0.217	0.266
D E. COOP	1[illegible]8[illegible]	6	59	3.72	2	1.54	1	0.94	0.600	0.355	0.435
AG. OCCUP.	18[illegible]	1	7	0.44	1	0.77	1	0.94	0.037	0.059	0.073
WORK STUDY	261	1[illegible]	85	5.36	5	3.85	4	3.77	0.624	1.036	0.685
OTHER	46	21	1454	91.68	26	20.[illegible]	2	1.89	1.910	0.523	0.175
** SCHOOL SUMMARY	38295	829	11320	713.75	111	85.38	81	76.42	62.255	41.692	41.098

RESOURCE UTILIZATION BY PROGRAM AREA

PROGRAM AREA. LANG. ARTS

CRS NO	COURSE PHASE	MEETING PATTERN/SEC PPM	MPW	TOT. MINS	% OF COURSE	SECTIONS NO.	MEAN SIZE	PUPILS NUMBER	% OF TOTAL	TEACHERS NUMBER	% OF TOTAL	ROOMS NUMBER	% OF TOTAL	TIME (BASED ON SCHOOL TOTALS) PUPILS	TEACHERS	ROOMS
3	PHASE 1	2	2	60	25.0	1	10	10	0.61	1	5.88	1	5.56	0.191	0.250	0.312
3	PHASE 2	3	4	180	75.0	1	9	9	0.55	1	5.88	1	5.56	0.516	0.749	0.936
3	FU SPEECH			240		2		10	0.61	1	5.88	1	5.56	0.708	0.998	1.248
5	PHASE 1	3	1	45	37.5	1	6	6	0.36	1	5.88	1	5.56	0.086	0.187	0.234
5	PHASE 2	2	2	60	50.0	1	6	6	0.36	1	5.88	1	5.56	0.115	0.250	0.312
5	PHASE 3	1	1	15	12.5	1	6	6	0.36	1	5.88	1	5.56	0.029	0.062	0.078
5	SPEECH			120		3		6	0.36	1	5.88	2	11.11	0.230	0.499	0.624
11	PHASE 1	3	2	90	33.3	3	13	41	2.49	1	5.88	2	11.11	1.176	0.374	0.936
11	PHASE 2	4	3	180	66.7	3	14	43	2.61	1	5.88	1	5.56	2.467	2.246	2.808
11	DRAMA W			270		6		43	2.61	1	5.88	2	11.11	3.644	2.620	3.744
21	READ LAB	3	2	90	100.0	18	14	265	16.09	1	5.88	1	5.56	7.663	6.737	8.424
24	RHETORIC	3	5	225	100.0	8	52	422	25.62	4	23.53	1	5.56	36.270	26.261	8.190
26	PHASE 1	2	1	30	11.8	1	122	122	7.41	3	17.65	1	5.56	1.167	0.374	0.156
26	PHASE 2	3	3	135	52.9	12	10	128	7.77	2	11.76	2	11.11	5.509	6.737	8.424
26	PHASE 3	3	2	90	35.3	13	9	129	7.83	1	5.88	2	11.11	3.701	4.492	5.616
26	ENGLISH 10			255		26		129	7.83	3	17.65	3	16.67	10.377	11.603	14.197
31	PHASE 1	3	3	135	75.0	15	10	160	9.71	4	23.53	4	22.22	6.886	8.422	10.530
31	PHASE 2	3	1	45	25.0	29	5	160	9.71	5	29.41	1	5.56	2.295	5.240	6.552
31	COMP			180		44		160	9.71	5	29.41	5	27.78	9.181	13.662	17.083
33	ADV ST COM	3	3	135	100.0	1	4	4	0.24	1	5.88	1	5.56	0.172	0.561	0.702
35	PHASE 1	2	1	30	18.2	1	73	73	4.43	1	5.88	1	5.56	0.698	0.125	0.156
35	PHASE 2	3	3	135	81.8	6	13	78	4.74	1	5.88	1	5.56	3.357	3.369	4.212
35	C WRIT			165		7		78	4.74	1	5.88	2	11.11	4.055	3.493	4.368
38	PHASE 1	2	1	30	14.3	1	73	73	4.43	2	11.76	1	5.56	0.698	0.250	0.156
38	PHASE 2	3	3	135	64.3	7	10	75	4.55	2	11.76	5	27.78	3.228	3.930	4.914
38	PHASE 3	3	1	45	21.4	7	10	75	4.55	2	11.76	3	16.67	1.076	1.310	1.638
38	CONV COMP			210		15		75	4.55	2	11.76	6	33.33	5.002	5.496	6.708
41	IND READ	4	3	180	100.0	6	8	52	3.16	2	11.76	3	16.67	2.984	4.492	5.616
43	PHASE 1	4	1	60	25.0	1	177	177	10.75	2	11.76	1	5.56	3.386	0.499	0.312
43	PHASE 2	4	3	180	75.0	13	14	184	11.17	2	11.76	3	16.67	10.559	9.732	12.168
43	AM STUDIES			240		14		184	11.17	2	11.76	3	16.67	13.944	10.231	12.480
45	PHASE 1	2	1	30	14.3	1	27	27	1.64	1	5.88	1	5.56	0.258	0.125	0.156
45	PHASE 2	4	3	180	85.7	2	13	27	1.64	1	5.88	2	11.11	1.549	1.497	1.872
45	READ EN			210		3		27	1.64	1	5.88	2	11.11	1.808	1.622	2.028

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RESOURCE UTILIZATION BY PROGRAM AREA

PROGRAM AREA LANG. ARTS — CONTINUED—

CRS		MEETING PATTERN/SEC				SECTIONS		PUPILS		TEACHERS		ROOMS		TIME		
NO.	COURSE PHASE	PPW	MPW	TOT. MINS	% OF COURSE	NO.	MEAN SIZE	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	PUPILS	TEACHERS	ROOMS
47	PHASE 1	1	1	15	10.0	5	15	77	4.68	2	11.76	1	5.56	0.368	0.312	0.390
47	PHASE 2	3	3	135	90.0	5	15	76	4.61	2	11.76	3	16.67	3.271	2.807	3.510
47	CONT FICT			150		10		77	4.68	2	11.76	4	22.22	3.639	3.119	3.900
49	LA IND ST	3	2	90	100.0	1	4	4	0.24	1	5.88	1	5.56	0.115	0.374	0.468
51	PHASE 1	2	1	30	14.3	1	43	43	2.61	2	11.76	1	5.56	0.411	0.250	0.156
51	PHASE 2	4	3	180	85.7	3	14	44	2.67	2	11.76	1	5.56	2.525	2.246	2.808
51	CON POETRY			210		4		44	2.67	2	11.76	2	11.11	2.936	2.495	2.964
53	PHASE 1	2	1	30	14.3	1	20	20	1.21	1	5.88	1	5.56	0.191	0.125	0.156
53	PHASE 2	4	3	180	85.7	2	10	21	1.28	1	5.88	1	5.56	1.205	1.497	1.872
53	WORLD LIT			210		3		21	1.28	1	5.88	2	11.11	1.396	1.622	2.028
63	CHAMBER	3	2	90	100.0	1	12	12	0.73	1	5.88	1	5.56	0.344	0.374	0.468
71	JOURNAL	3	4	180	100.0	1	12	12	0.73	1	5.88	1	5.56	0.689	0.749	0.936
73	PUBLICAT	4	2	120	100.0	1	3	3	0.18	1	5.88	1	5.56	0.115	0.499	0.624
74	PHOTO	3	3	135	100.0	1	13	13	0.79	1	5.88	1	5.56	0.559	0.561	0.702
943	AM. ST.	4	3	180	100.0	1	[illegible]	[illegible]	[illegible]	1	5.88	1	5.56	[illegible]	0.749	0.936
953	WORLD LIT	4	2	120	100.0	1	6	6	0.36	1	5.88	1	5.56	0.230	0.499	0.624
971	JOURN II	3	4	180	100.0	1	[illegible]	[illegible]	[illegible]	1	5.88	1	5.56	[illegible]	0.749	0.936
*** PROGRAM SUMMARY				4185		176		1647	100.00	17	100.00	18	100.00	100.000	100.000	100.000

RESOURCE UTILIZATION BY PROGRAM AREA

PROGRAM AREA. FOREIGN LANG

CRS NO	COURSE PHASE	MEETING PATTERN/SEC PPM	MPW	TOT. MINS	% OF COURSE	SECTIONS NO.	MEAN SIZE	PUPILS NUMBER	% OF TOTAL	TEACHERS NUMBER	% OF TOTAL	ROOMS NUMBER	% OF TOTAL	TIME (BASED ON SCHOOL TOTALS) PUPILS	TEACHERS	ROOMS
102	LATIN ONE	2	6	160	100.0	1	5	5	1.28	1	16.67	1	11.11	1.246	2.727	2.857
104	LATIN II	3	5	225	100.0	2	10	21	5.36	1	16.67	1	11.11	6.541	6.818	7.143
106	LAT THRE F	2	6	180	100.0	2	9	19	4.85	1	16.67	1	11.11	4.734	5.455	5.714
112	SPANISH I	3	5	225	100.0	2	8	17	4.34	1	16.67	1	11.11	5.295	6.818	7.143
114	SPANISH TW	2	5	150	100.0	3	10	30	7.65	1	16.67	2	22.22	6.229	6.818	7.143
116	SPANISH TH	2	5	150	100.0	2	11	22	5.61	1	16.67	2	22.22	4.568	4.545	4.762
118	SPAN IV	2	5	150	100.0	1	5	5	1.28	1	16.67	1	11.11	1.038	2.273	2.381
122	FRENCH ONE	2	5	150	100.0	1	10	10	2.55	1	16.67	1	11.11	2.076	2.273	2.381
124	PHASE 1	2	1	30	14.3	1	61	61	15.56	2	33.33	1	11.11	2.533	0.909	0.476
124	PHAS 2	3	4	180	85.7	7	8	60	15.31	2	33.33	3	33.33	14.950	16.364	17.143
124	FRENCH II			210		6		61	15.56	2	33.33	4	44.44	17.483	17.273	17.619
126	FRENCH III	3	5	225	100.0	2	13	27	6.89	1	16.67	1	11.11	8.409	6.818	7.143
127	FRENCH 4	3	5	225	100.0	2	7	15	3.83	1	16.67	1	11.11	4.672	6.818	7.143
129	CONV FR I	2	5	150	100.0	2	5	11	2.81	1	16.67	2	22.22	2.284	4.545	4.762
132	GERMAN I	3	6	270	100.0	1	10	10	2.55	1	16.67	0	0.0	3.738	4.091	0.0
134	PHAS 1	2	1	30	16.7	1	73	73	18.62	1	16.67	1	11.11	3.032	0.455	0.476
134	PHAS 2	2	5	150	83.3	4	18	74	18.88	1	16.67	1	11.11	15.365	9.091	9.524
134	GERMAN II			180		5		74	18.88	1	16.67	2	22.22	18.397	9.545	10.000
136	GERMAN III	2	5	150	100.0	4	12	51	13.01	1	16.67	1	11.11	10.590	9.091	9.524
138	GERMAN 4	2	4	120	100.0	1	5	5	1.28	1	16.67	1	11.11	0.831	1.818	1.905
142	RUSSIAN I	2	5	150	100.0	1	9	9	2.30	1	16.67	1	11.11	1.869	2.273	2.381
*** PROGRAM SUMMARY				3.91		[illegible]		392	100.00	6	100.00	9	100.00	100.000	100.000	100.000

RESOURCE UTILIZATION BY PROGRAM AREA

PROGRAM AREA. SOC SCIENCE

CRS NO.	COURSE PHASE	MEETING PATTERNS/SEC PPM	MPW	TOT. MINS	% OF COURSE	SECTIONS NO.	MEAN SIZE	PUPILS NUMBER	% OF TOTAL	TEACHERS NUMBER	% OF TOTAL	ROOMS NUMBER	% OF TOTAL	TIME (BASED ON SCHOOL TOTALS) PUPILS	TEACHERS	ROOMS
151	GEOG	3	4	180	100.0	3	15	47	3.28	1	5.88	2	13.33	3.155	2.944	4.009
158	SOC ST	2	5	150	100.0	2	10	21	1.47	1	5.88	1	6.67	1.175	1.635	2.227
161	PHASE 1	2	1	30	14.3	2	75	150	10.47	2	11.76	1	6.67	1.678	0.654	0.445
161	PHASE 2	4	3	180	85.7	9	16	151	10.54	1	5.88	2	13.33	10.135	8.831	12.027
161	PSYCHOLOGY			210		11		151	10.54	2	11.76	3	20.00	11.813	9.485	12.472
163	PHASE 1	2	1	30	14.3	2	53	107	7.47	1	5.88	1	6.67	1.197	0.327	0.445
163	PHASE 2	4	3	180	85.7	6	18	109	7.61	1	5.88	1	6.67	7.316	5.887	8.018
163	SOCIOLOGY			210		8		109	7.61	1	5.88	2	13.33	8.513	6.214	8.463
166	PHASE 1	3	1	45	33.3	1	53	53	3.70	4	23.53	1	6.67	0.889	0.981	0.334
166	PHASE 2	2	3	90	66.7	1	51	51	3.56	4	23.53	1	6.67	1.712	1.962	0.668
166	HUMANITIES			135		2		53	3.70	4	23.53	1	6.67	2.601	2.944	1.002
169	MINOR ST	3	2	90	100.0	2	28	56	3.91	1	5.88	1	6.67	1.879	0.981	1.336
171	WORLD HIST	3	5	225	100.0	4	20	82	5.73	1	5.88	1	6.67	6.880	4.906	6.682
174	PHASE 1	3	2	90	50.0	4	134	539	37.64	5	29.41	1	6.67	18.089	9.812	2.673
174	PHASE 2	2	3	90	50.0	23	23	539	37.64	6	35.29	8	53.33	18.089	36.304	29.399
174	U S HIST			180		27		539	37.64	6	35.29	9	60.00	36.179	46.116	32.071
197	PHASE 1	3	1	45	25.0	1	135	135	9.43	2	11.76	1	6.67	2.265	0.491	0.334
197	PHASE 2	3	3	135	75.0	9	15	139	9.71	1	5.88	3	20.00	6.997	6.623	9.020
197	GOVERNMENT			180		10		139	9.71	2	11.76	4	26.67	9.263	7.114	9.354
199	PHASE 1	3	1	45	20.0	1	115	115	8.03	3	17.65	1	6.67	1.930	0.736	0.334
199	PHASE 2	3	4	180	80.0	7	16	113	7.89	1	5.88	3	20.00	7.585	5.887	8.018
199	ECONOMICS			225		8		115	8.03	3	17.65	4	26.67	9.514	6.623	8.352
797	PHASE 1	3	1	45	25.0	1	44	44	3.07	2	11.76	1	6.67	0.738	0.491	0.334
797	PHASE 2	3	3	135	75.0	6	8	50	3.49	1	5.88	2	13.33	2.517	2.944	4.009
797	GOVT			180		7		50	3.49	2	11.76	3	20.00	3.255	3.434	4.343
799	PHASE 1	3	1	45	20.0	1	64	64	4.47	3	17.65	1	6.67	1.074	0.736	0.334
799	PHASE 2	3	4	180	80.0	8	8	70	4.89	1	5.88	2	13.33	4.699	6.868	9.354
799	ECONOMICS			225		9		70	4.89	3	17.65	3	20.00	5.772	7.604	9.688
***	PROGRAM SUMMARY			2190		93		1432	100.00	17	100.00	15	100.00	100.000	100.000	100.000

RESOURCE UTILIZATION BY PROGRAM AREA

PROGRAM AREA. MATHEMATICS

		MEETING PATTERN/SEC				SECTIONS		PUPILS		TEACHERS		ROOMS		TIME (BASED ON SCHOOL TOTALS)		
CRS NO.	COURSE PHASE	PPM	MPW	TOT. MINS	% OF COURSE	NO.	MEAN SIZE	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	PUPILS	TEACHERS	ROOMS
211	SECON MATH	3	6	270	100.0	7	18	127	15.62	2	25.0	1	11.11	21.429	15.789	21.000
212	PHASE 1	3	1	45	25.0	4	12	49	6.03	1	12.5	2	22.22	1.378	1.128	1.500
212	PHASE 2	3	3	135	75.0	4	13	52	6.40	1	12.5	3	33.33	~~4.387~~	~~3.383~~	~~4.500~~
212	ALGEBRA I			180		8		52	6.40	1	12.5	4	44.44	5.765	4.511	6.000
214	ALG II	3	3	135	100.0	1	19	19	2.34	2	25.0	2	22.22	1.603	2.256	3.000
222	PL SD GEOM	3	3	135	100.0	7	26	182	22.39	3	37.5	1	11.11	15.354	23.684	10.500
223	INF GEOM	2	6	180	100.0	3	29	89	10.95	3	37.5	1	11.11	10.311	13.534	6.000
227	ANALY GEOM	0	0	0	0.0	1			0.00		0.0	0	0.0	0.000	0.0	0.0
231	TRIG	3	4	160	100.0	1	13	13	1.60	1	12.5	1	11.11	1.462	1.504	2.000
234	MATH ANAL2	3	4	180	100.0	1	21	21	2.58	1	12.5	1	11.11	2.362	1.504	2.000
241	MATH TOPIC	3	3	135	100.0	1	5	5	.62	1	12.5	1	11.11	.422	1.128	1.500
243	PROB & STA	3	3	135	100.0	1	24	24	2.95	1	12.5	1	11.11	2.025	1.128	1.500
247	COMP PROG	3	3	135	100.0	1	13	13	1.60	1	12.5	1	11.11	1.097	1.128	1.500
713	ALG I	3	6	270	100.0	3	12	37	4.55	1	12.5	1	11.11	6.243	6.767	9.000
714	ALG II	3	5	225	100.0	5	18	94	11.56	1	12.5	1	11.11	13.217	9.398	12.500
813	PHASE 1	3	3	135	60.0	2	16	32	3.94	1	12.5	2	22.22	2.700	2.256	3.000
~~813~~	~~PHASE 2~~	~~3~~	~~2~~	~~90~~	~~40.0~~	~~3~~	~~11~~	~~35~~	~~4.31~~	~~1~~	~~12.5~~	~~2~~	~~22.22~~	~~1.969~~	~~2.256~~	~~3.000~~
813	ALG I			225		5		35	4.31	1	12.5	3	33.33	4.668	4.511	6.000
814	ALG II	3	5	225	100.0	4	13	55	6.77	1	12.5	1	11.11	7.733	7.519	10.000
914	ALG II	3	5	225	100.0	3	15	47	5.78	1	12.5	1	11.11	6.629	5.639	7.500
*** PROGRAM SUMMARY				2835		52		813	100.00	8	100.0	9	100.00	100.000	100.000	100.000

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RESOURCE UTILIZATION BY PROGRAM AREA

PROGRAM AREA SCIENCE

CRS NO.	COURSE PHASE	MEETING PATTERNS(SEC)				SECTIONS		PUPILS		TEACHERS		ROOMS		TIME (BASED ON SCHOOL TOTALS)		
		PPM	MPW	TOT. MINS	% OF COURSE	NO.	MEAN SIZE	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	PUPILS	TEACHERS	ROOMS
257	PHASE 1	2	1	30	14.3	2	66	133	16.79	2	22.22	1	11.11	1.926	1.130	0.594
252	PHASE 2	4	3	180	85.7	5	26	131	16.54	1	11.11	1	11.11	11.383	8.475	8.915
252	BSCS BLUE			210		7		133	16.79	2	22.22	2	22.22	13.309	9.605	9.51.
254	BSCS	4	5	300	100.0	5	26	131	16.54	1	11.11	1	11.11	18.972	14.124	14.859
262	PHASE 1	3	1	45	16.7	1	83	83	10.48	2	22.22	1	11.11	1.803	0.847	[illegible]
262	PHASE 2	5	3	225	83.3	6	14	86	10.86	1	11.11	1	11.11	9.341	12.712	13.373
262	FSSC			270		7		86	10.86	2	22.22	2	22.22	11.144	13.559	13.819
264	HPP	5	3	225	100.0	6	21	127	16.04	1	11.11	1	11.11	13.794	12.712	13.373
272	PHASE 1	2	1	30	11.1	1	83	83	10.48	1	11.11	1	11.11	1.202	0.282	0.297
272	PHASE 2	4	4	240	88.9	4	21	84	10.61	1	11.11	1	11.11	9.732	9.040	9.510
272	CHEM			270		5		84	10.61	1	11.11	2	22.22	10.934	9.322	9.807
[illegible]	LSS	3	2	90	100.0	1				4	44.44			0.0	3.390	0.0
[illegible]	TIPS	4	3	180	100.0	1				1	11.11	1	11.11	0.0	1.695	1.783
752	BSCS BLUE	4	5	300	100.0	5	16	84	10.61	1	11.11	1	11.11	12.165	11.299	11.887
[illegible]	PHASE 1	2	1	30	11.1	2	47	95	11.99	2	22.22	1	11.11	1.376	1.130	0.594
[illegible]	PHASE 2	4	4	240	88.9	4	23	93	11.74	1	11.11	1	11.11	10.775	9.040	9.510
[illegible]	BSCS BLUE			270		6		95	11.99	2	22.22	2	22.22	12.151	10.169	10.104
[illegible]	CHEMS	4	5	300	100.0	5	10	52	6.57	1	11.11	1	11.11	7.531	14.124	14.859
*** PROGRAM SUMMARY				2415		49		792	100.00	9	100.00	5	100.00	100.000	100.000	100.000

RESOURCE UTILIZATION BY PROGRAM AREA

PROGRAM AREA. BUS. EDUC.

CRS NO	COURSE PHASE	MEETING PATTERN/SEC PPM	MPW	TOT. MINS	% OF COURSE	SECTIONS NO.	MEAN SIZE	PUPILS NUMBER	% OF TOTAL	TEACHERS NUMBER	% OF TOTAL	ROOMS NUMBER	% OF TOTAL	TIME (BASED ON SCHOOL TOTALS) PUPILS	TEACHERS	ROOMS
301	TYPING I	3	5	225	100.0	1	29	29	5.74	1	14.29	1	11.11	6.422	3.896	3.896
302	INT OFF ED	2	1	30	100.0	1	2	2	0.40	1	14.29	1	11.11	0.059	0.519	0.519
303	TYPING II	3	5	225	100.0	2	20	41	8.12	1	14.29	1	11.11	9.079	7.792	7.792
307	COLL PR TY	3	4	180	100.0	1	7	7	1.39	1	14.29	1	11.11	1.240	3.117	3.117
314	PHASE 1	4	1	60	28.6	1	45	45	8.91	1	14.29	1	11.11	2.657	1.039	1.039
314	PHASE 2	2	5	150	71.4	2	23	47	9.31	1	14.29	1	11.11	6.938	5.195	5.195
314	SHORTHAND			210		3		47	9.31	1	14.29	2	22.22	9.596	6.234	6.234
317	PHASE 1	2	1	30	25.0	1	32	32	6.34	1	14.29	1	11.11	0.945	0.519	0.519
317	PHASE 2	2	3	90	75.0	1	30	30	5.94	1	14.29	1	11.11	2.657	1.558	1.558
317	NOTEHAND			120		2		32	6.34	1	14.29	2	22.22	3.602	2.078	2.078
319	OFFICE MAC	4	5	300	100.0	2	10	20	3.96	1	14.29	2	22.22	5.905	10.390	10.390
323	PHASE 1	3	1	45	20.0	1	50	50	9.90	1	14.29	1	11.11	2.214	0.779	0.779
323	PHASE 2	4	2	120	53.3	3	17	51	10.10	1	14.29	1	11.11	6.023	6.234	6.234
323	PHASE 3	2	2	60	26.7	4	13	52	10.30	1	14.29	2	22.22	3.071	4.156	4.156
323	BKKG 2			225		8		52	10.30	1	14.29	3	33.33	11.308	11.169	11.169
325	ADV BKKG	4	3	180	100.0	1	3	3	0.59	1	14.29	1	11.11	0.531	3.117	3.117
326	PHASE 1	3	1	45	20.0	1	62	62	12.28	1	14.29	1	11.11	2.746	0.779	0.779
326	PHASE 2	4	2	120	53.3	3	21	63	12.48	1	14.29	1	11.11	7.440	6.234	6.234
326	PHASE 3	2	2	60	26.7	5	12	64	12.67	1	14.29	1	11.11	3.779	5.195	5.195
326	GEN BKPG			225		9		64	12.67	1	14.29	3	33.33	13.965	12.208	12.208
328	PHASE 1	3	4	180	66.7	1	13	13	2.57	1	14.29	1	11.11	2.303	3.117	3.117
328	PHASE 2	3	2	90	33.3	2	7	14	2.77	1	14.29	2	22.22	1.240	3.117	3.117
328	RECD KPPG			270		3		14	2.77	1	14.29	3	33.33	3.543	6.234	6.234
333	DATA PRO 2	2	4	120	100.0	1	14	14	2.77	1	14.29	1	11.11	1.653	2.078	2.078
336	INTRO STEN	4	4	240	100.0	1	20	20	3.96	1	14.29	1	11.11	4.724	4.156	4.156
337	PHASE 1	4	1	60	50.0	1	11	11	2.18	1	14.29	1	11.11	0.650	1.039	1.039
337	PHASE 2	2	2	60	50.0	1	11	11	2.18	1	14.29	1	11.11	0.650	1.039	1.039
337	COM STK EX			120		2		11	2.18	1	14.29	1	11.11	1.299	2.078	2.078
338	INTRO CLER	4	4	240	100.0	1	9	9	1.78	1	14.29	1	11.11	2.126	4.156	4.156

RESOURCE UTILIZATION BY PROGRAM AREA

PROGRAM AREA, BUS. EDUC. --CONTINUED-

CRS NO	COURSE PHASE	MEETING PATTERN/SEC PPM	MPW	TOT. MINS	% OF COURSE	SECTIONS NO.	MEAN SIZE	PUPILS NUMBER	% OF TOTAL	TEACHERS NUMBER	% OF TOTAL	ROOMS NUMBER	% OF TOTAL	TIME PUPILS	TEACHERS	ROOMS
341	PHASE 1	3	1	45	27.3	1	43	43	8.51	1	14.29	1	11.11	1.904	0.779	0.779
341	PHASE 2	2	4	120	72.7	4	12	50	9.90	1	14.29	1	11.11	5.905	8.312	8.312
341	CONS ECON			165		5		50	9.90	1	14.29	2	22.22	7.809	9.091	9.091
343	PHASE 1	3	1	45	23.1	1	87	87	17.23	1	14.29	1	11.11	3.853	0.779	0.779
343	PHASE 2	3	2	90	46.2	3	30	90	17.82	1	14.29	1	11.11	7.972	4.675	4.675
343	PHASE 3	2	2	60	30.8	6	15	90	17.82	1	14.29	2	22.22	5.314	6.234	6.234
343	BUS LAW			195		10		90	17.82	1	14.29	3	33.33	17.139	11.688	11.688
***	PROGRAM SUMMARY			327.		55		505	100.00	7	100.00	9	100.00	100.000	100.000	100.000

RESOURCE UTILIZATION BY PROGRAM AREA

PROGRAM AREA. HOME ECON.

CRS NO.	COURSE-PHASE	MEETING PATTERN/SEC PPM	MPW	TOT. MINS	% OF COURSE	SECTIONS NO	MEAN SIZE	PUPILS NUMBER	% OF TOTAL	TEACHERS NUMBER	% OF TOTAL	ROOMS NUMBER	% OF TOTAL	TIME (BASED ON SCHOOL TOTALS) PUPILS	TEACHERS	ROOMS
352	PHASE 1	2	2	60	18.2	2	26	53	9.55	2	33.33	2	22.22	2.933	3.062	3.025
352	PHASE 2	6	3	270	81.8	2	26	53	9.55	2	33.33	2	22.22	13.199	13.508	13.611
352	CLOTH RA			330		4		53	9.55	2	33.33	2	22.22	16.132	16.510	16.635
355	DRESS MKG	3	4	180	100.0	2	11	22	3.96	1	16.67	1	11.11	3.652	4.503	4.537
356	PHASE 1	2	2	60	33.3	7	21	151	27.21	1	16.67	2	22.22	8.356	4.503	4.537
356	PHASE 2	4	2	120	66.7	7	21	149	26.85	1	16.67	1	11.11	16.491	10.507	10.586
356	FD MEAL PR			180		14		151	27.21	1	16.67	3	33.33	24.848	15.009	15.123
359	PHASE 1	2	2	60	33.3	1	29	29	5.23	1	16.67	1	11.11	1.605	0.750	0.756
~~359~~	~~PHASE 2~~	~~4~~	~~2~~	~~120~~	~~66.7~~	~~1~~	~~27~~	~~27~~	~~4.86~~	~~1~~	~~16.67~~	~~1~~	~~11.11~~	~~2.988~~	~~1.501~~	~~1.512~~
359	CREAT FDS			180		2		29	5.23	1	16.67	2	22.22	4.593	2.251	2.268
364	H EC COM1	4	3	180	100.0	1	9	9	1.62	1	16.67	1	11.11	1.494	2.251	2.268
366	PHASE 1	3	1	45	20.0	1	22	22	3.96	1	16.67	1	11.11	0.913	0.563	0.567
~~366~~	~~PHASE 2~~	~~4~~	~~3~~	~~180~~	~~80.0~~	~~2~~	~~11~~	~~22~~	~~3.96~~	~~1~~	~~16.67~~	~~1~~	~~11.11~~	~~3.652~~	~~4.503~~	~~4.537~~
366	H EC COM 2			225		3		22	3.96	1	16.67	1	11.11	4.566	5.066	5.104
372	AD LIVING	4	3	180	100.0	13	1	134	24.14	2	33.33	5	55.56	22.247	29.268	29.490
381	CHILD DEV	4	3	180	100.0	2	17	35	6.31	1	16.67	1	11.11	5.811	4.503	4.537
385	HOME NURS	4	3	180	100.0	7	12	84	15.14	1	16.67	1	11.11	13.946	15.760	15.879
389	PHASE 1	6	1	90	33.3	1	12	12	2.16	1	16.67	1	11.11	0.996	1.126	1.134
389	PHASE 2	4	3	180	66.7	1	9	9	1.62	1	16.67	1	11.11	1.494	2.251	2.268
389	HOUSE PGF			270		2		12	2.16	1	16.67	1	11.11	2.490	3.377	3.403
397	H EC SEM	4	1	60	100.0	1	4	4	0.72	2	33.33	1	11.11	0.221	1.501	0.756
*** PROGRAM SUMMARY				2145		51		555	100.00	6	100.00	9	100.00	100.000	100.000	100.000

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RESOURCES UTILIZATION BY PROGRAM AREA

PROGRAM AREA. ART

CRS NO.	COURS. PHASE	MEETING PATTERNS/SEC PPW	APW	TOT. MINS	% OF COURS	SECTIONS NO.	MEAN SIZE	PUPILS NUMB.	% OF TOTAL	TEACHERS NUMBER	% OF TOTAL	ROOMS NUMBER	% OF TOTAL	TIME (BASED ON SCHOOL TOTALS) PUPILS	TEACHERS	ROOMS
401	CRAFTS 1	6	3	270	100.0	4	17	68	28.81	1	33.33	1	50.00	29.395	35.294	35.294
403	CRAFTS 2	6	3	270	100.0	1	39	39	16.53	1	33.33	1	50.00	16.859	8.824	8.824
412	ART 10	6	3	270	100.0	2	33	66	27.97	1	33.33	1	50.00	28.530	17.647	17.647
414	ART 11	6	3	270	100.0	2	15	31	13.14	1	33.33	1	50.00	13.431	17.647	17.647
415	ART 12	6	3	270	100.0	1	18	18	7.63	1	33.33	-	50.00	7.781	8.824	8.824
912	ART 1	4	3	180	100.0	2	7	14	5.93	1	33.33	1	50.00	4.035	11.765	11.765
*** PROGRAM SUMMARY				1530		12		236	100.00	3	100.00	2	100.00	100.000	100.000	100.000

RESOURCE UTILIZATION BY PROGRAM AREA

PROGRAM AREA. VOC. AGRIC.

		MEETING PATTERN/SEC				SECTIONS		PUPILS		TEACHERS		ROOMS		TIME (BASED ON SCHOOL TOTALS)		
CRS NO.	COURSE PHASE	PPW	MPW	TOT. MINS	% OF COURSE	NO	AVER SIZE	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	PUPILS	TEACHERS	ROOMS
426	VOC AG I	4	6	360	100.0	1	3	3	2.7	1	50.0	1	25.00	4.011	18.750	12.766
432	PHASE 1	4	3	180	66.7	2	19	39	35.14	1	50.00	1	25.00	26.072	18.750	12.766
~~432~~	~~PHASE 2~~	0	1	90	33.3	2	20	41	36.94	1	50.00	2	50.00	~~13.705~~	~~9.375~~	~~6.383~~
432	HORTICULT			270		4		41	36.94	1	50.00	2	50.00	39.777	28.125	19.149
444	PHASE 1	2	2	60	28.6	1	52	52	46.85	1	50.00	1	25.00	11.588	3.125	2.128
~~444~~	~~PHASE 2~~	5	2	150	71.4	3	17	52	46.85	1	50.00	2	50.00	~~28.969~~	~~23.438~~	~~31.915~~
444	AG MECH I			210		4		52	46.85	1	50.00	3	75.00	40.557	26.563	34.043
446	PHASE 1	2	2	60	21.1	1	14	14	12.61	1	50.00	1	25.00	3.120	3.125	2.128
~~446~~	~~PHASE 2~~	~~5~~	~~3~~	~~225~~	~~78.9~~	~~2~~	~~7~~	~~15~~	~~13.51~~	~~1~~	~~50.00~~	~~2~~	~~50.00~~	~~12.535~~	~~23.438~~	~~31.915~~
446	AG MECH 2			285		3		15	13.51	1	50.00	2	50.00	15.655	26.563	34.043
*** PROGRAM SUMMARY				1125		12		111	100.00	2	100.00	4	100.00	100.000	~~100.000~~	~~100.000~~

RESOURCE UTILIZATION BY PROGRAM AREA

PROGRAM AREA, IND. ARTS

CRS NO	COURSE PHASE	MEETING PATTERNS/SEC PPM	MPW	TOT. MINS	% OF COURSE	SECTIONS NO.	MEAN SIZE	PUPILS NUMBER	% OF TOTAL	TEACHERS NUMBER	% OF TOTAL	ROOMS NUMBER	% OF TOTAL	TIME (BASED ON SCHOOL TOTALS) PUPILS	TEACHERS	ROOMS
452	WOODS 1	4	3	180	100.0	7	14	100	17.21	1	14.29	1	12.50	15.756	16.438	16.438
454	WOODS 2	4	3	180	100.0	2	17	34	5.85	1	14.29	1	12.50	5.357	4.697	4.697
455	WOODS III	2	2	60	100.0	1	7	7	1.20	1	14.29	1	12.50	0.368	0.783	0.783
462	MECH DRAW	4	4	240	100.0	3	13	41	7.06	1	14.29	1	12.50	8.613	9.393	9.393
464	MECH DRAW2	4	4	240	100.0	1	14	14	2.41	1	14.29	1	12.50	2.941	3.131	3.131
465	MECH DR 3	4	3	180	100.0	1	11	11	1.89	1	14.29	1	12.50	1.733	2.348	2.348
468	ARCH DES	4	3	180	100.0	1	17	17	2.93	1	14.29	1	12.50	2.679	2.348	2.348
472	METALS 1	4	4	240	100.0	3	20	60	10.33	1	14.29	1	12.50	12.605	9.393	9.393
474	METALS 2	4	4	240	100.0	1	10	10	1.72	1	14.29	1	12.50	2.101	3.131	3.131
476	METALS 3	5	3	225	100.0	1	4	4	0.69	1	14.29	1	12.50	0.786	2.935	2.935
482	BASIC ELEC	4	4	240	100.0	2	11	22	3.79	1	14.29	1	12.50	4.622	6.262	6.262
484	ELECTRONIC	4	4	240	100.0	2	12	25	4.30	1	14.29	1	12.50	5.252	6.262	6.262
486	ELECTRON 2	6	2	180	100.0	1	10	10	1.72	1	14.29	1	12.50	1.576	2.348	2.348
491	CONS MECH	4	3	180	100.0	1	44	44	7.57	1	14.29	1	12.50	6.933	2.348	2.348
492	AUTO MECH1	4	3	180	100.0	7	19	136	23.41	2	28.57	1	12.50	21.429	16.438	16.438
494	AUTO MEC 2	4	3	180	100.0	3	8	26	4.48	1	14.29	1	12.50	4.097	7.045	7.045
498	BLDG TRADE	4	3	180	100.0	2	10	20	3.44	1	14.29	1	12.50	3.151	4.697	4.697
*** PROGRAM SUMMARY				3345		39		581	100.00	7	100.00	8	100.00	100.000	100.000	100.000

RESOURCE UTILIZATION BY PROGRAM AREA

PROGRAM AREA. PHYS. ED.

		MEETING PATTERN/SEC				SECTIONS		PUPILS		TEACHERS		ROOMS		TIME		
CRS NO	COURSE PHASE	PPM	MPW	TOT. MINS	% OF COURSE	NO.	MEAN SIZE	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	(BASED ON SCHOOL PUPILS	TEACHERS	TOTALS) ROOMS
502	PHY ED BOY	4	3	180	100.00	8	87	703	49.26	3	42.86	1	25.00	49.264	44.444	22.222
504	PHY ED BOY	4	3	180	100.00	1	53	53	3.71	3	42.86	1	25.00	3.714	5.556	2.778
512	P E 10G	4	3	180	100.00	5	23	116	8.13	1	14.29	1	25.00	8.129	9.259	13.889
514	P E 11G	4	3	180	100.00	9	31	277	19.41	1	14.29	1	25.00	19.411	16.667	25.000
516	P E 12G	4	3	180	100.00	8	21	173	12.12	1	14.29	3	75.00	12.123	14.815	22.222
812	P E 1[illegible]G	4	3	180	100.00	5	21	105	7.36	1	14.29	2	50.00	7.358	9.259	13.889
*** PROGRAM SUMMARY				1080		35		1427	100.00	7	100.00	4	100.00	100.000	100.000	100.000

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CHRONOLOGICAL SUMMARY OF EVENTS

1969

April 18	Proposal entitled "THE UTILIZATION OF MODERN MANAGEMENT TECHNIQUES IN THE ADMINISTRATION OF SCHOOLS" submitted to the U. S. Commissioner of Education for support through authorization of the Bureau of Research
June 27	U. S. Office of Education awards The University of Iowa Contract OEC-0-9-099011-4395- (010) Dr. Walter J. Foley named Project Investigator Dr. Lance Hodes assigned as Project Officer in Washington, D.C.
July	Dr. Walter J. Foley attended one week of a workshop in Duluth
August	MIS ES'70 chosen as the name to be used by Iowa Educational Information Center for the project
September	Mason City High School, Mason City, Iowa, chosen as pilot school for the project, after the project was submitted for school board approval "Mission and Goals Statement" written by Dr. Walter J. Foley
October 13	U. S. O. E. amended the contract of scope of work to include attendance at Essup, Inc., meetings at no increase in funds
October 22	Dr. Walter J. Foley at ES '70 Network meeting in Quincy, Massachusetts.
October 23	Dr. Walter J. Foley in Washington, D. C. to discuss the project with U. S. O. E. officials--project separated from ES'70 Network schools
November	Since we are not a part of the ES'70 Network, the name was changed, and the project named "Management Information System (MIS)"
	Dr. Duane Nielsen, U.S.O.E., visited Iowa Educational Information Center, and made suggestions regarding the monthly report and expansion of the abstract
	Salary Schedule program written, debugged and tested
	"Mission and Goals Statement" printed as Monograph I

December	The MIS abstract prepared and mailed to Dr. Lance Hodes
	MIS Portfolios printed and disseminated. A detailed listing of the persons and agencies receiving materials is in Part IX.
1970	
January	Nationwide dissemination of Monograph I. "Mission and Goals Statement" by Dr. Walter J. Foley
February	Monograph II. "A Glossary of Terms" by Monte Kloberdanz, printed and disseminated
	MIS presented at two-day UPDATE Workshop held in Iowa City and Waterloo, Iowa.
	"Misson and Goals Statement," Monograph I. reprinted
	Dr. Walter J. Foley discussed the project with U. S. O. E. officials in Washington, D. C.
	Dr. Dale Chismore, Washington, D.C., visited the Iowa Educational Information Center.
March 18	The questionnaire "Pupil Inventory" cleared by U.S.O.E. for use in the project
	MIS presented at Modular Flexible Workshop held at Iowa City, Iowa
	MIS pamphlet printed and disseminated
	Dr. Walter J. Foley attended ES '70 meeting in Santa Fe, New Mexico
April	Monograph III, "Pupil Tract Area Survey" by Kenneth G. Jensen, printed and disseminated
	Monograph II reprinted
	Monograph I reprinted for second time
	MIS materials presented at Regional Center Data Processing meeting, Des Moines, Iowa

May 4-6	Dr. Walter J. Foley attended ES '70 Network meeting at San Mateo, California
May 15	MIS Pupil Tract Area Survey was conducted at Mason City High School (pilot school), Mason City, Iowa
June 18	U.S.O.E. awarded additional funds of $124,855.00 to the contract for the period 6/15/70 through 6/15/71
July	Completed printout of Survey results
July	Charles Reubling, Mason City, Iowa, appointed Liaison Officer to work with IEIC and the Mason City Pilot School
October	Monograph IV, "Classroom Utilization" by Dr. Holbert M. Miller, printed and disseminated
October 22-23	Dr. Walter J. Foley reported to Dr. Lance Hodes in Washington, D. C., on the progress of the project and discussed the intended focus on program planning and budgeting implications of the project
December 1-2	MIS presented at the 55th Annual Conference of School Administration and Supervision, Iowa City, Iowa

1971

January 11	Dr. Walter J. Foley and Dr. Rod Bickert, Superintendent of Mason City High School (pilot school) report to the State Department of Public Instruction, Des Moines, Iowa, on the MIS project
February 11	MIS presented to superintendents of Black Hawk County at a meeting in Waterloo, Iowa
February 2-3	MIS presented at the Modular Flexible Scheduling Workshop which was attended by school administrators from Iowa, Indiana, and Missouri
	Monograph V, "Student Use of Unscheduled Time" by Dr. Larry Smiley, printed
March	Monograph V disseminated
April	Monograph VI, "Pupil Tract Area Survey...Second Edition" by Kenneth G. Jensen, printed and disseminated

January 11-12	MIS Orientation Workshop conducted at Iowa City, Iowa, for all schools using Stanford School Scheduling System
	Mount Ayr, Iowa, requested Resource Utilization--was completed
	The Mason City High School , Mason City, Iowa, Second Semester Pupil Survey Analysis was completed and disseminated
February	Dr. Gordon G. Harr conferred with Dr. Richard B. Otte in Washington D. C.
	UPDATE Traditional Scheduling Conference was held for Iowa schools, and MIS materials presented--the conference was held at Cedar Rapids, Iowa
	Dr. Gordon G. Harr presented MIS materials at Annual Conference of the American Association of School Administrators in Atlantic City, New Jersey
	Resource Utilization for Linn-Mar, Iowa, school district completed and mailed
March 5-7	National MIS conference held at Mason City, Iowa; the major purpose of the conference was to make school administrators aware of MIS techniques in educational decision-making
March	MIS meetings conducted in Pocahontas, Iowa, Atlantic, Iowa, Oelwein, Iowa, Sigourney, Iowa, and Ankeny, Iowa to acquaint Iowa school districts with MIS research
April	MIS workshops held in Coralville and Des Moines, Iowa
May	Official and complete approval of the merger of the Iowa Educational Information Center and Iowa Center for Research in School Administration was received from The University of Iowa
	Work on the MIS project will be carried forward in the twenty largest school districts in the state of Iowa as part of their membership in the merged organization

May 3-4	Pupil Tract Area Survey administered at McAdams Jr. High School and Roosevelt Junior High School, Mason City, Iowa, processed and returned
May 11	Letter informed Iowa Educational Information Center that Dr. Richard B. Otte had succeeded Dr. Lance Hodes as U.S.O.E. Project Officer
June	Pupil Tract Area Survey administered at Mason City High School to tenth and eleventh graders, and to ninth graders at Monroe Junior High
	Monograph VII, "Resource Allocation" by Larry Smiley, printed and disseminated
June 3-4	A Site Visit was conducted by Dr. Richard B. Otte, Dr. Glenn Boerrigter, Dr. Ivan Seibert and Mr. Herbert Bright, of U.S.O.E. Goals and objectives for the third year of project were developed
June 24	Additional funds of $124, 616.00 awarded The University of Iowa and contract extended from 6/15/71 through 6/14/72
August	Requests for Resource Utilization received from the following schools: Highland, Linn Mar, Pleasant Valley, Webster City, West Union and Mason City, with Mason City and Linn Mar receiving their materials (Highland is a Missouri school--the rest are Iowa schools)
September	Mason City High School 1971-72 Pupil Tract Area Survey completed, processed and returned
	Requests for Resource Utilization were received from the following schools: Grinnell, Pocahontas, and Elkader (Iowa)
	Monograph VIII, "Planning Facilities for Student Use During Unscheduled Time" by Dr. Richard E. Munsterman, was printed and disseminated
November	Representatives from the Iowa Educational Information Center and Department of Public Instruction conducted educational management meetings at Cedar Rapids on November 2, and Fort Dodge November 3
	Monograph IX, "Planning an Educational Budget by Program Through Financial Resource Allocation" by Ernest R. Goeres, printed and disseminated
November 30	MIS presented at the 56th Annual Conference on School Administration and Supervision, Iowa City, Iowa

MANAGEMENT INFORMATION SYSTEM

FINANCE TRACT

Workshop I

"TOWARD PPBES"

Iowa City, Iowa
April 20, 1972

Des Moines, Iowa
April 27, 1972

GOAL

After participating in this series of Workshops and working with the Finance Tract consultants, each local school district should be able to effectively implement the budgeting portion of the Finance Tract, thereby moving toward a total PPBE System.

CRITICAL TASKS

I. Establish commitment of local school district personnel to the concept of program-oriented budgeting and accounting.

II. Develop knowledge of the program-oriented chart-of-accounts and be able to relate it to the local school district's administrative organization and curricular structure.

III. Assign budget responsibility and accountability to appropriate personnel.

IV. Establish communication lines, both vertically and horizontally.

CRITICAL TASK I

"Promoting the Rationale"

A. What do you expect as the result of having a PPBES? (long-range)

B. What do you expect as the result of implementing the budgeting phase of the Finance Tract? (short-range)

C. Rationale for ASBO System Outlined

Why develop PPBS or ERMS? The Research Corp. of the Assn. of School Business Officials, author of ERMS, used the following guidelines to develop its system:

1. Resources available to a school district are less than equal to the demands of that district.
2. School districts exist to produce sets of outcomes--to achieve specific changes in characteristics of learners.
3. Objectives of school districts can theoretically be achieved in a multitude of ways (program plans), some of which are more effective than others.
4. Productivity of school districts can be increased by learning activities and supporting services which are directed toward achieving previously defined goals and objectives.

C. Rationale for ASBO System Outlined (continued)

5. Better decisions regarding selection of program plans and greater benefits from their operation result when the costs are considered on a long-term (multiyear) basis.

6. Better decisions regarding selection of program plans and greater benefits from their application result when outcomes are methodically related to objectives.

D. Reasons for moving to program-oriented budgeting and accounting from D. P. I. finance committee discussion materials.

1. Program-oriented accounting provides the capability of generating information which will assist school administrators in making choices related to optimum allocation of resources among alternative programs or educational needs.

2. Program-oriented budgeting and accounting describes desired accomplishments, rather than merely listing the objects of expenditure.

3. Program-oriented budgeting and accounting develops a cost-quality awareness among school administrators, school boards, and lay citizens.

4. Program-oriented budgeting and accounting will enable fiscal administrators to group all operational units or programs together for individual or collective analysis according to comparative standards defined by the users.

5. Program-oriented budgeting and accounting will provide for more uniform and accurate comparisons, among the various educational agencies, of effectiveness of both fiscal and educational programs.

6. Program-oriented budgeting and accounting procedures will provide the type and degree of data specifically needed for intelligent predictions of future fiscal and educational programs through the budget preparation.

7. Program-oriented budgeting and accounting will maintain fiscal responsibility and accountability, thereby safeguarding the stewardship of public funds.

E. Purpose of PPBS (From U. S. Handbook II - revised)

Most school systems budget and account for financial resources by object classifications. Items such as salaries and benefits, purchased services, supplies and materials, or capital outlay are budgeted and accounted for by charging against specific functional categories such as administration, instruction, health services, and plant maintenance and operation. Generally, no formal attempt is made to relate the costs of items, or input into the educational budget, to output, the results expected from the educational system. Hence the educational community, the public, and the administrator has little data with which to assess the results of educational activities, to decide among alternative courses of action, or to plan for future needs and expenditures. In short, the decision-maker does not have the appropriate information, financial or evaluative, with which to judge how well the educational system has succeeded in its task of educating students with its allotted resources.

PPBS assists in fulfilling management's need for better information. In essence, it is a tool or technique used to plan the activities of a school system to meet the needs of the community it serves, and to choose among the alternative ways in which the system can allocate available resources to achieve desired results. Emphasis is placed upon evaluation of the effectiveness of the total educational system in relation to stated goals and objectives and to cost. Thus, PPBS is an output-oriented system which provides the ability to analyze the cost versus the benefits of the educational results.

CRITICAL TASK II

"Relating to the Chart-of-Accounts"

A. Assumptions:

1. A program structure exists.

2. Planning and programming take place to some degree.

3. Begin the "process of change" with the present situation.

4. Therefore, the chart-of-accounts should reflect the program structure which is currently in operation.

5. Effective use of PPBES will lead to appropriate changes in the program-structure (administrative organization and curricular structure).

B. Function-object vs. Program-oriented chart-of-accounts

1. The function-object chart-of-accounts answers the following questions:

   a. Generally, for what function is this expenditure being made?

   b. What "object" is being purchased?

2. The program-oriented chart-of-accounts answers the following questions.

   a. Specifically, why is this expenditure being made?

   b. What type of expenditure (object) is being made?

3. The primary concern is with cost of operating programs, departments, and activities (courses) rather than the amount spent for particular objects.

C. An example: The Finance Tract Chart-of-Accounts

1. High school biology teacher ordering a sound-filmstrip entitled "Cell Division."

C. An example: The Florence Tract Chart-of-Accounts (continued)

2. The industrial arts department at Monroe Junior High is replacing four work benches used for instruction in woodworking

3. One-third of the secretary's time at Madison Elementary School is used as secretary to the principal. The rest of her time is spent with routine clerical tasks related to general operation of the school.

4. The custodian at the Central Office is ordering a new mop.

5. Miss Jones teaches child development and dressmaking at the high school. The home economics department chairman indicates that the latter course is 30% of the assignment and the other course is 70% of the assignment.

CRITICAL TASK III

"Budget Responsibility and Accountability."

A. A liaison person between ICRSA and the local school district.

1. Handle all mailing and shipping between Center and district.

2. Collect budget input and distribute budget output.

3. Be the "focal point" of questions regarding use of the budgeting program.

4. Be the "in house expert" on the budgeting system.

B. How are school district personnel assigned within the administrative structure?

1. Responsible for operation of programs, departments, and/or activities.

2. Responsibility for preparation of budget input.

3. Accountable for the dollars spent and the results achieved.

C. Initiation of budget item (or item to be ordered) is responsible for coding.

CRITICAL TASK IV

"Communication"

Communication is particularly important in planning stages.

1. Planning is the process of guiding internal change so that the school adapts effectively to the needs of those it serves. Planning is concerned with developing recommendations for policy changes. These policy changes will typically identify goals, general objectives, and programs to be adopted.

2. Upper management levels communicate general goals and objectives and obtain feed back (vertical communication).

3. Check for consistency and overlap among activities and departments (horizontal communication).

MISSIONS and GOALS STATEMENT

Management Information System

A plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system.

I

IOWA EDUCATIONAL INFORMATION CENTER

MISSIONS AND GOALS STATEMENT OF THE IEIC MANAGEMENT INFORMATION SYSTEM

The IEIC Management Information System represents a plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system.

This project is supported by the U. S. Office of Education, Bureau of Research, under Title IV of The Elementary and Secondary Education Act. The research is planned and carried out under Contract Number OEC-0-9-099011-4395 (010).

IOWA EDUCATIONAL INFORMATION CENTER
The University of Iowa
Iowa City, Iowa
September, 1969

FOREWORD

The Management Information System described in this report represents a plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system. The Management Information System component is being developed to meet the need for the coordination of the resources of staff, facilities, and time with the long range planning and financial management efforts of the future.

The statement of project missions and objectives which follows was initially documented in a proposal for research and related activities titled "The Utilization of Modern Management Techniques in the Administration of Schools," submitted April 18, 1969, to the U. S. Commissioner of Education for support through the authorization of the Bureau of Research. This report, Missions and Goals Statement of the Management Information System, is based upon the original proposal.

The project was funded on July 1, 1969. The program is now underway in cooperation with the Educational System for the Seventies Network (ES'70).

This document is the first in a series of communications from the Iowa Educational Information Center designed to disseminate the progress of the project.

Dr. Walter J. Foley
Director
Iowa Educational Information Center

MISSIONS AND GOALS STATEMENT
of the
Management Information System in Cooperation with the
Educational System for the Seventies Network

Introduction

It is a truism that educational systems in the seventies will be represented by new relationships between federal, state, and local educational agencies. In addition to the relationship changes expected within the educational establishment, it is also expected that private and public lay organizations, professional societies, and institutions of higher learning will play a new and expanded role in innovation and educational decision-making. These changes in our educational system will create management problems not presently encountered by those responsible for the educational experiences of youth.

The assumption of this project is that innovative educational programs developed and demonstrated within ES'70 will not remain in the research and demonstration stage-but that they will enter into the mainstream of the educational system. The proposed management information system will assist in the dissemination process by serving decision questions related to resource allocation, organization and performance as they relate to expenditure level and educational goal attainment. It has been the experience of the Iowa Educational Information

Center that the management vehicle for relating resource allocation to program goals is the program schedule.

The developmental effort will focus upon a management information system that is responsive to the information needs of decision-makers across the stated levels of educational involvement outlined in ES'70. It is assumed that the decision settings, as well as decision alternatives, differ across the local, state, and federal levels. Therefore, information requirements are assumed to be different at the three program levels. In other words, we assume that multiple decision situations exist across levels. The problem area demands a management system that is responsive to the existence of multiple decision-makers across levels of program involvement and decision settings. The response to this problem area is contained in the three missions of the developmental project.

MISSION I

The Development and Construction of a Common Data Base

Administration in education has moved from a focus on activities to one of decision-making. Current conceptualizations of administration presented by writers like Simon, Griffiths, and Likert focus on the decision-making functions of administrators as the key to improving management. In fact, Simon finds it convenient to use managing and decision-making as being synonymous.

This shift in emphasis from activity (doing) to decision-making (deciding) has implications for the management information system for ES'70. It is expected that a bank of educational data will be a necessary precondition for any systematic study of the information needs in decision-making.

The first mission, that of data bank construction, capitalizes on the capability and experience of the Iowa Educational Information Center in this area. The following data bank outline is presented to specify the four interrelated activities necessary in data bank development:

1. Information Collection - the development of specifications for information sources and, when appropriate, sampling techniques; the development of specifications for instrument construction, and the scheduling of information collection; the development of common definitions for data elements in the bank.

2. Information Organization - the development of methods for cross classification of information; the development of coding systems for information storage; the development of systematic reliability and validity checks for information.

3. Information Analysis - the development of analytical tools for information manipulation; the development of base line or referent information; the development of schedules for periodic evaluation of procedures.

4. Information Reporting - the development of criteria for specifying information reporting audiences; the development of formats, schedules and reporting session procedures; the development of strategies for providing information to users.

Data bank activities are to be structured to classify data elements under the categories of pupils, finance, facilities, staff, and community.

These classifications will be interrelated by employing the school program schedule as the data organizer. The five classes of interrelated data, once in a data bank, have the potential of being manipulated to create information specific to critical questions across and within data categories, as well as to predict future problem areas. The thrust is for the development of a taxonomy of data elements stored in a common data base to provide information across decision settings.

A great deal of work has already been done by the U. S. Office of Education on the taxonomy problem of data element definition. The Iowa Educational Information Center has also defined and developed many systems and data collection techniques.

MISSION II

The Development and Construction of a Program Monitoring System

Educators are accustomed to the term system as in phrases like "our education system." Still, a brief overview of systems theory is necessary to clarify management's role in systems concepts to provide a frame of reference for both methodological development of concepts and a program monitoring system. The logic begins with a conceptualization of a system in the form of an input-black box-output analogy. Pupils are the input of the system, the educational experiences of the school serve as the operations associated with change in pupil behavior, and pupils serve as output of the system.

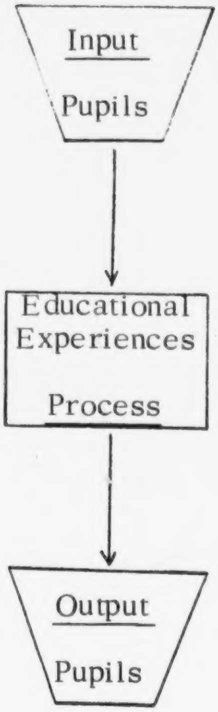


Figure 1.

This is admittedly a narrow view of education, but its familiarity serves well in introducing the concepts. Each decision-maker enters this situation with his unique set of blinders for viewing the educational system. Any system is defined simply as having an input, a process, and an output. A system also spans time and connotes some change (many times referred to as the black box) occuring between the input and the output. Also a system is simply what it is - no more, no less.

In our example input is defined as the pupils entering the system. Pupils can be further defined by their sex, age, attitude, aptitude, and by many other factors. In systems terminology, these characteristics provide the range of tolerance for the acceptable input "raw material" entering the system. The output of the system (graduates, transfers, dropouts) are the products of the system. The process is what occurs between input and output. The process as reflected in the program schedule is viewed as a key to management information systems in this paper.

Flexible Scheduling as a Program Monitoring Tool

In the summer of 1965, an agreement was reached between Stanford University and The University of Iowa to increase the availability of the Stanford School Scheduling System service. At The University of Iowa, the Iowa Educational Information Center pooled talent and funds in rewriting the Stanford program. The Stanford School Scheduling System is now available from two University sources in this country - Stanford University and The University of Iowa.

It is generally conceded by knowledgeable administrators that the Stanford School Scheduling System program can produce a schedule which is responsive to the needs of the individual pupil, while at the same time relating the program requirements for staff, facility, and material program resources. The interrelatedness of elements is the key for effective program monitoring. A schedule tailored to meet the educational needs of the individual is the first step toward management of personnel, facilities, and time.

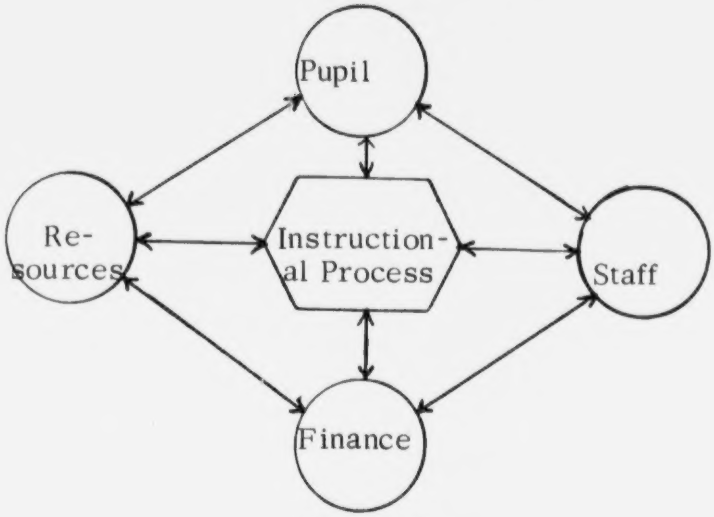


Figure 2.

The Schedule As A Vehicle For Showing The Relationship of Resource Variables

MISSION III

The Development and Construction of Simulation, Modeling and Reporting Devices for Management

The governing board of Project ES'70 is faced with the task of project planning, executing the plan, and evaluating progress against the goals of the project to assure that it meets project commitments and responsibilities. This ability demands appropriate planning tools for the task. It is obvious that improved management tools are an absolute necessity for effective management in a modern complex educational organization. Where possible, this project will develop and relate management tools to the needs of ES'70 agencies.

The Iowa Educational Information Center will continue in the development of a Program, Planning, Budgeting, and Evaluation System

(PPBES) for public schools. It is the intent of this project to enhance the program management phase of our Center commitment. The experience of the Center to date in developing a data bank containing statewide data involving pupils, finance, facilities, staff and community will be capitalized on in the development of management concepts for long range planning. The guidelines being used in the development are:

1. PPBE Systems are based on the premise that all desired output can be measured in terms of time, cost, and educational achievement.
2. Planning educational outputs (objectives) is a systemwide process that begins with the policy of the board of education.
3. PPBES is not simply a budget, but rather a catalyst through which policy objectives, alternatives for achieving the objectives, and costs are aligned.
4. The five components of a school system (pupils, finance, facilities, staff, and community) are developed in terms of interaction rather than as five individual parts of a budget that can be cut, lifted out and displayed one by one.

The key factor is file interrelatedness. Unless the interaction of the five components is considered, it is not a system but rather five separate unrelated files, with each file useful only in its own area, making any planned program for projection of multiyear costs and objectives impossible.

Program Evaluation and Review Technique (PERT) has recently appeared to alleviate the manager's control difficulties. The technique has received widespread attention in government, the defense industry, and business. There are also widespread possibilities for application of PERT in educational decision-making.

PERT has several distinguishing features:

1. PERT gives management the ability to plan the best possible use of resources to achieve a given goal within overall time and cost limitations.
2. PERT enables executives to manage "one-of-a-kind" programs as opposed to repetitive production situations.
3. PERT utilizes what is called the "time network analysis" as a basic method of approach and as a foundation for determining manpower, material, and capital requirements.

The Critical Path Method (CPM) is defined by the path between the start date of the project and the end objective date network of activities that requires the greatest amount of time. It is found by totaling the individual mean times along every possible path in the network and selecting the sequence of activities or events requiring the greatest amount of time. When any event or activity on the critical path falls behind its expected date of accomplishment, by definition, the final event will fall behind schedule.

One of the major advantages of PERT and CPM is that the kind of planning required to create a valid network represents a major contribution of the definition and ultimate successful control of a major complex problem.

In addition to PPBES, PERT, and CPM, other operations research tools that related to the proposed program management information system are outlined below with their major facets listed:

Linear Programming

1. The development of criteria for linear program applications.
2. The development of linear program applications to educational problems.
3. The application of linear program solutions to appropriate ES'70 problems.

Input-Output Analysis

1. The development of specifications of interdependence between educational levels.
2. The development of educational system criteria.
3. The development of education simulation models.

Simulation and Administrative Gaming

1. The development of simulation materials for decision-making.
2. The development of gaming solutions to complex decision-making situations.
3. The development of decision-making tools.

Educational Forecasting

1. The development and adaptation of population prediction programs such as Dynamod II.
2. The systems development and programming of educational models for financial projections.
3. The development of space utilization program packages for building planning.

Data Requirements

While it is recognized that there are many goals in existence for ES'70 schools, it is assumed that the primary goal of a school system is instruction. Therefore, data requirements for a Management Information System are outlined in general terms in relation to instructional program inputs, processes, and outputs.

Management Information Systems and Subsystems

Each school can be conceptualized in terms of the overall information system necessary to carry out the instructional goals of the system. However, this project will also consider the information needs of the resource categories of pupils, staff, facility, finance and community as subsystems of the instructional system. Data elements for each of the subsystems will be stored with the instructional system information requirements in mind and where practical, they will be interrelated to provide easy and inexpensive retrieval.

The Relationship of Output to Input

In a systems development study, one begins to plan with the present output. The task is to identify and measure the present system output in relation to the goals and objectives of the system. Therefore, one must determine operational definitions of system goals. The primary sources of goals and objectives in an educational system are professional standards, community standards, and past system performance.

The second step in designing an information system is to specify the present status of the instructional program. This analysis consists of determining the allocation of program resources presently in use to achieve the system objectives.

Third, the present status of system input is determined in relation to the information needs specified for program output. The requirements outlining the restriction of input can be seen as placing limitations on the use of possible resources in the instructional process to produce the desired output.

Present status of both output and input become reference points for future system output and input. They become past system performance standards and can be used to point out both planned and unplanned change in system performance with each cycle of the system. While stated in sequence, the relationships of input to output are not accomplished without considerable overlap.

Feedback

Discrepancies between present output and standards of past performance, present output and professional standards, present output and community standards form one basis for management decisions which alter the functioning of the system. Changes based on decisions related to discrepancies are fed back into the instructional program to alter its performance.

The function of monitoring input into the system serves a somewhat different purpose in that discrepancies in input allow decisions about change in program resources prior to system processing.

Figure 3 shows the general model of how status measures derived from objectives provide for system modification.

1. Status measures are compared with professional standards.
2. Status measures are compared with past system performance.

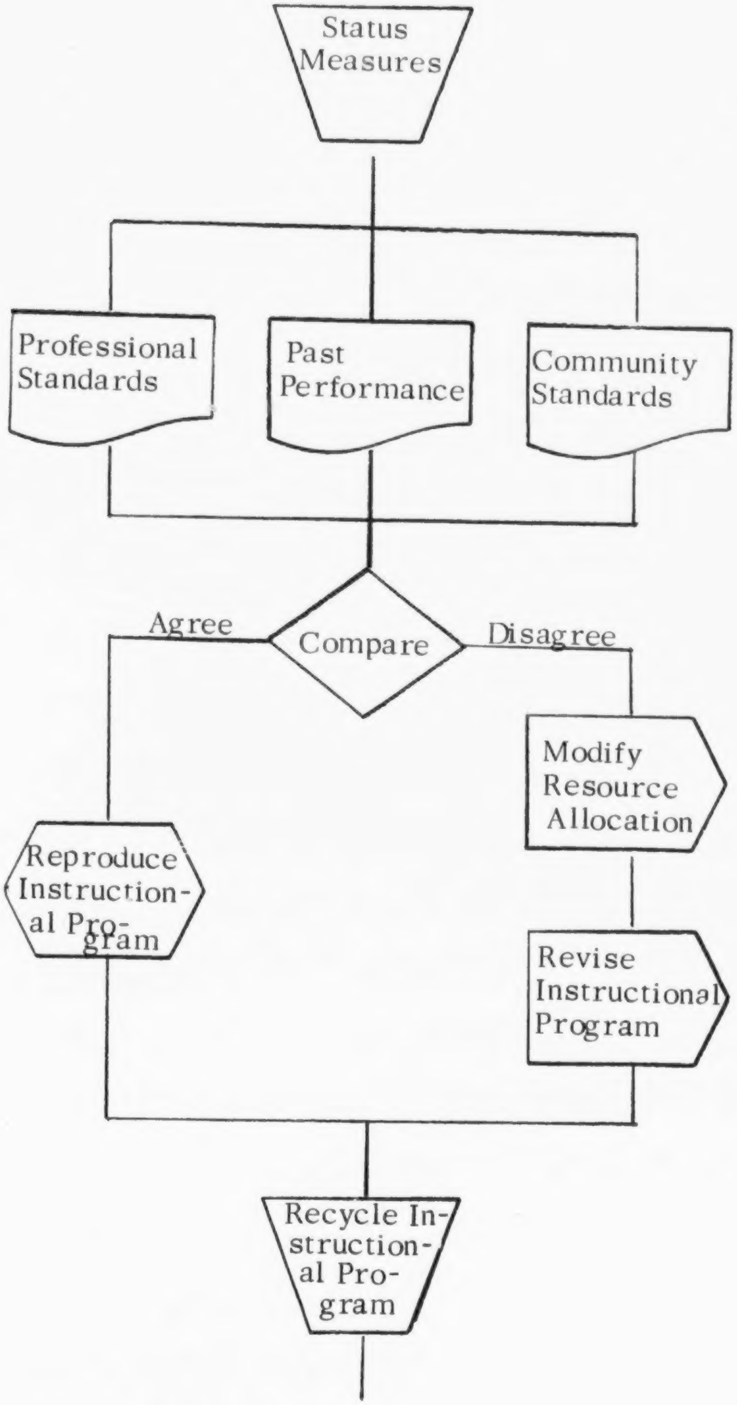

Status Measures
Professional Standards
Past Performance
Community Standards
Agree
Compare
Disagree
Modify Resource Allocation
Reproduce Instructional Program
Revise Instructional Program
Recycle Instructional Program

Figure 3.

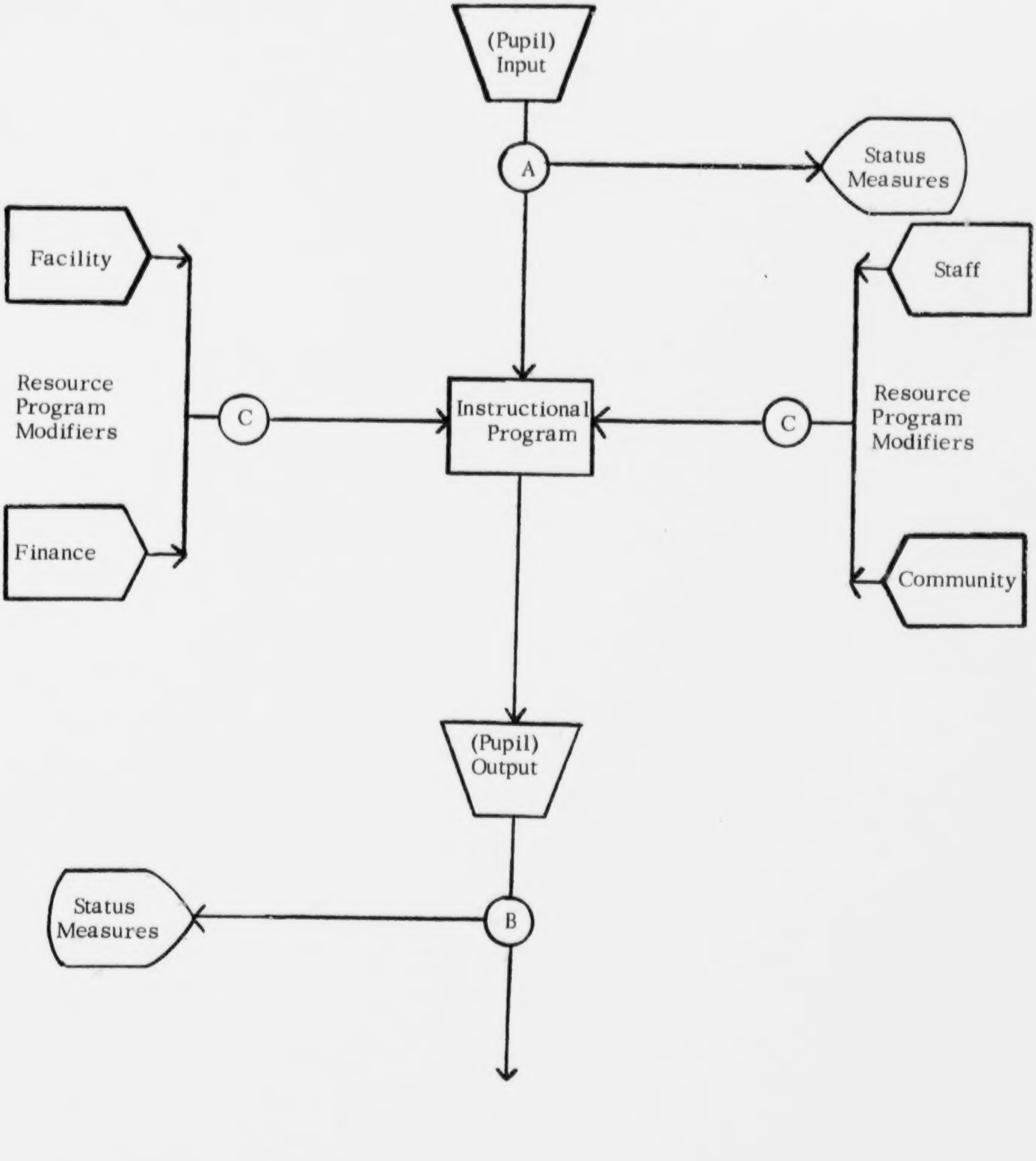
3. Status measures are compared with community standards. The two possible conditions are there is agreement and disagreement between status and standards. When there is disagreement, resources can be modified and thus alter the instructional program. This figure can be thought of as outlining the feedback process in the system.

Instructional Program Subsystems

The following five flow charts depict the interrelatedness of each of the five subsystems. While people conventionally think in terms of the pupil input-output flowed in Figure 4, the subsystems of staff, facility, community and finance can also be modeled to show their interrelatedness to each other and to the instructional system. The key element in a management information system is the ability to show the effect of change in any subsystem on the other subsystems of the instructional program.

Status measures from at points A and B can be compared for change in a before and after sense. Point C introduces the resources necessary in carrying out the instructional program. The systems principles involved are those of system wholeness, interrelatedness, compatibility and optimization.

The Pupil data file will contain elements with common definitions related to demographic characteristics when possible, and will contain measures of the present level of intellectual functioning and measures of achievement, performance, aspiration, and expectation. The Pupil file


(Pupil)
Input
A
Status
Measures
Facility
Staff
Resource
Program
Modifiers
C
Instructional
Program
C
Resource
Program
Modifiers
Finance
Community
(Pupil)
Output
Status
Measures
B

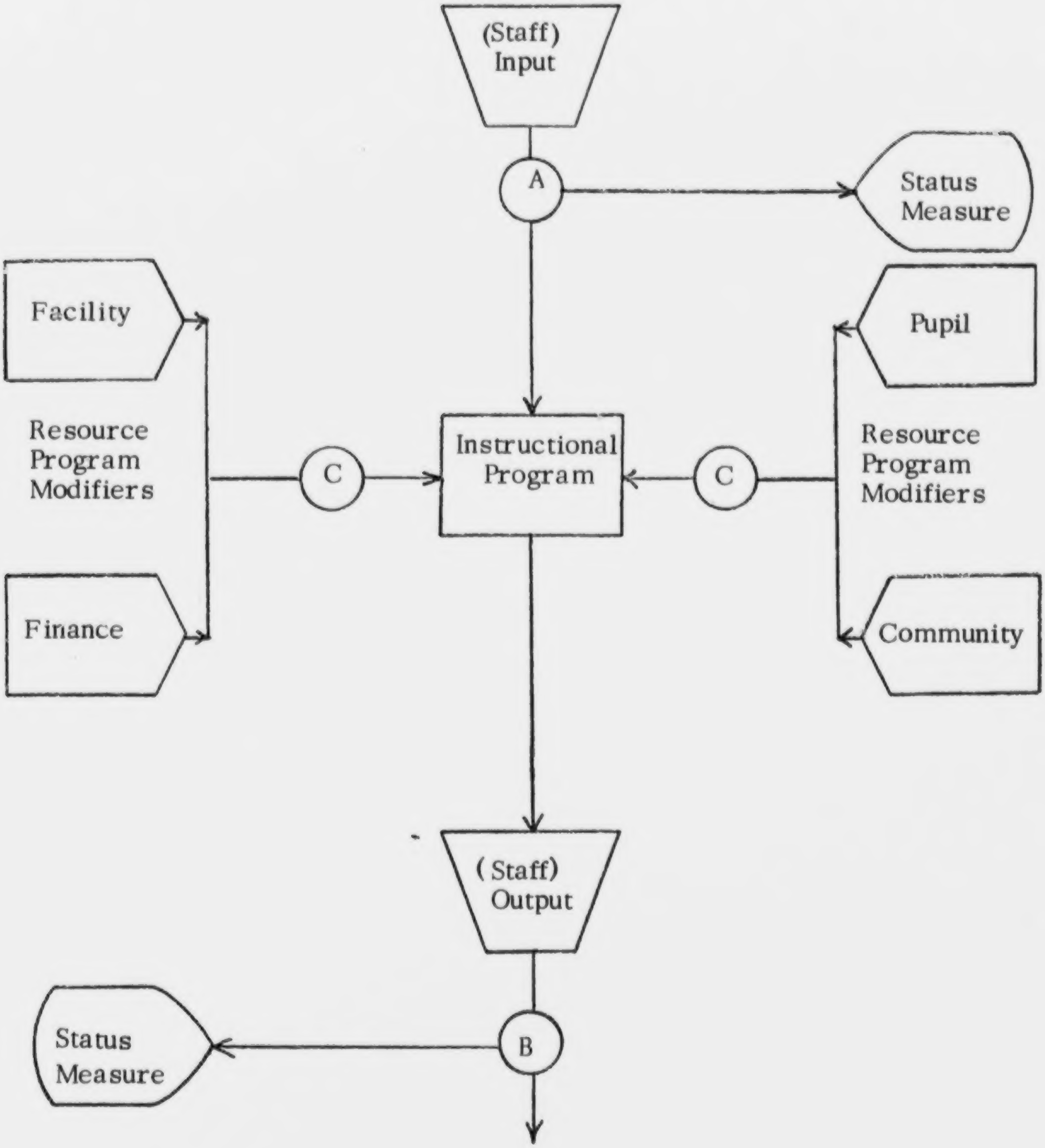

(Staff)
Input
A
Status
Measure
Facility
Pupil
Resource
Program
Modifiers
Instructional
Program
C
C
Resource
Program
Modifiers
Finance
Community
(Staff)
Output
Status
Measure
B

Figure 5.

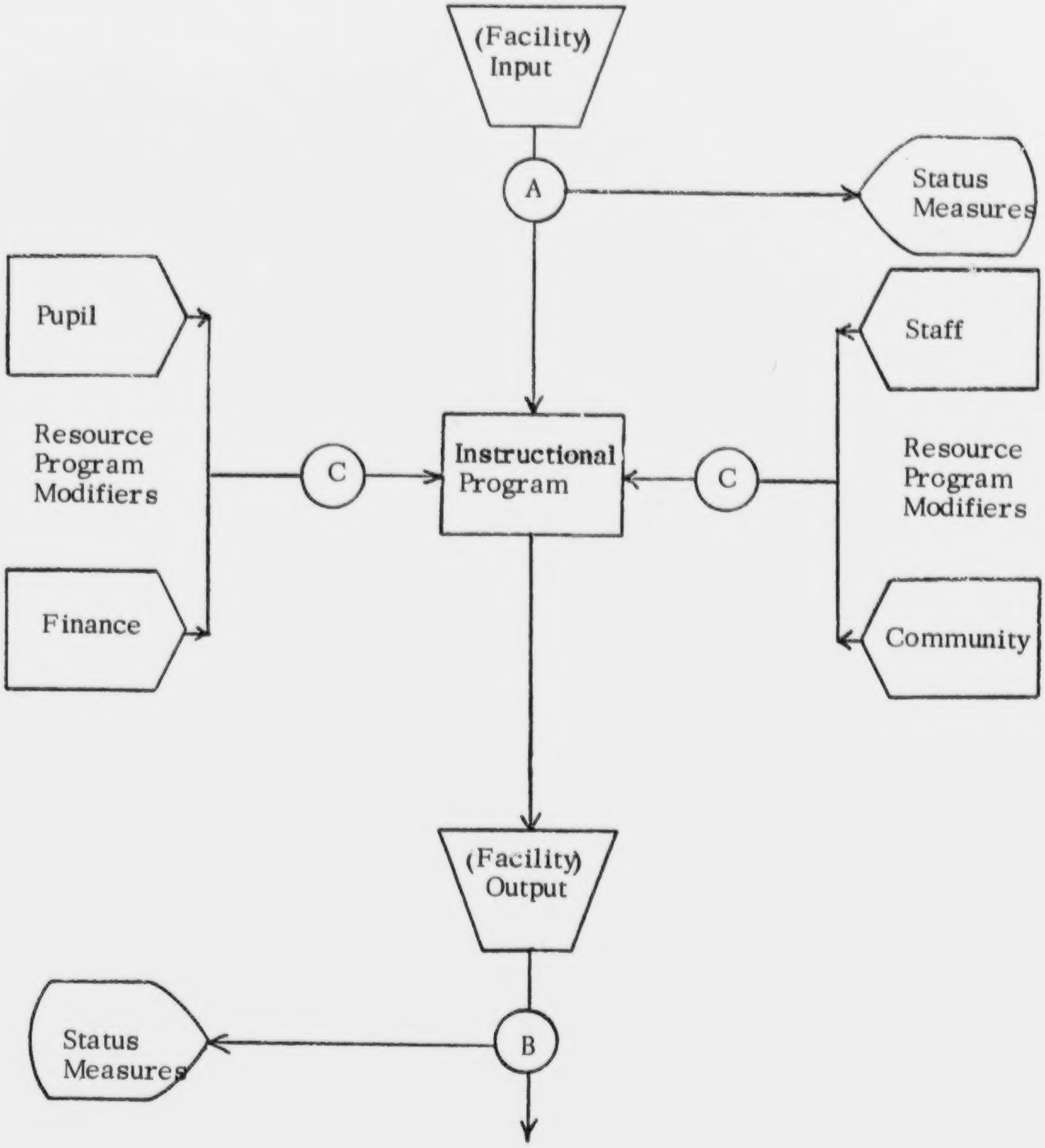

(Facility) Input
A
Status Measures
Pupil
Resource Program Modifiers
Finance
C
Instructional Program
C
Staff
Resource Program Modifiers
Community
(Facility) Output
Status Measures
B

Figure 6.

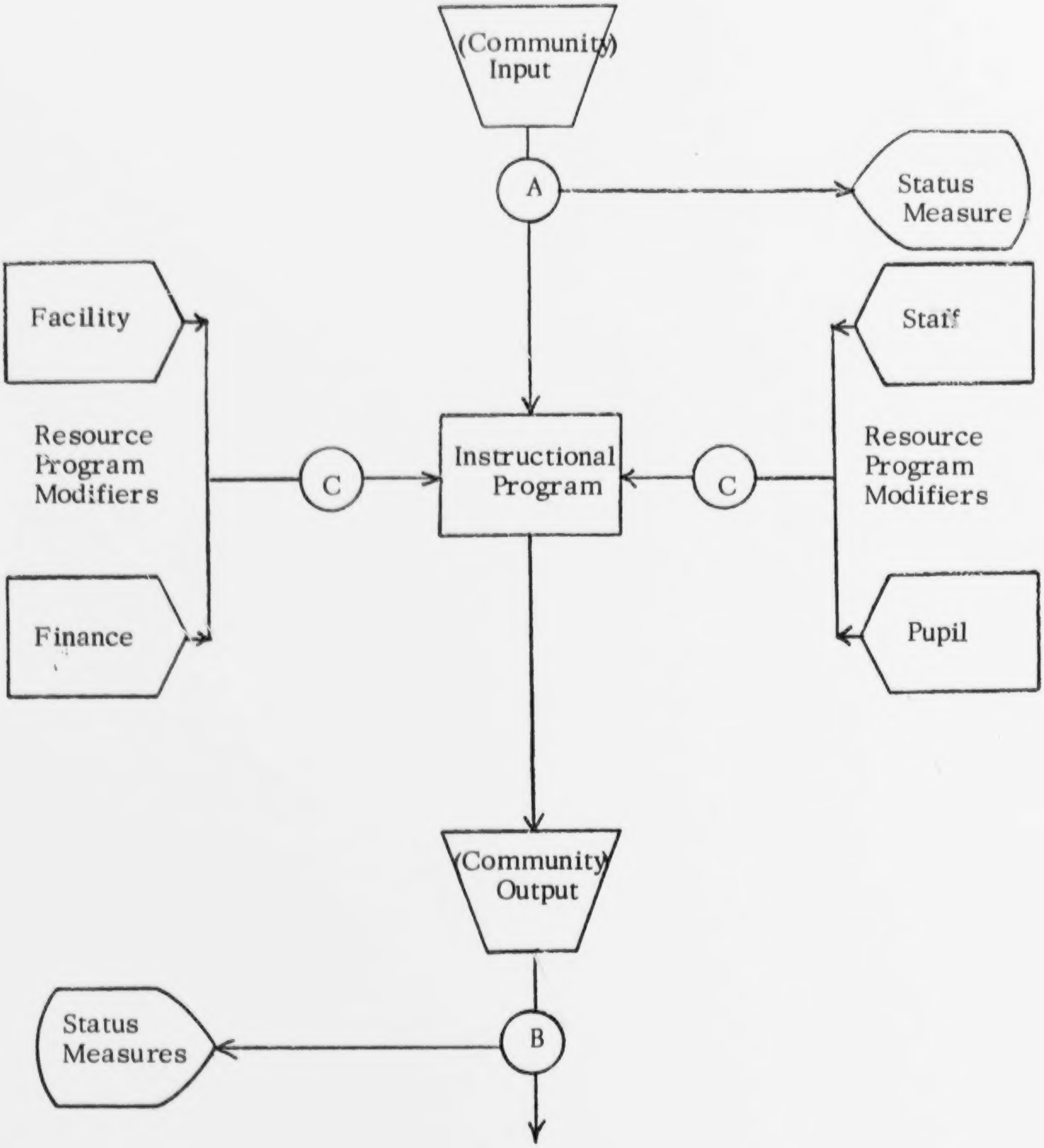

(Community)
Input
A
Status
Measure
Facility
Staff
Resource
Program
Modifiers
C
Instructional
Program
C
Resource
Program
Modifiers
Finance
Pupil
(Community)
Output
Status
Measures
B

Figure 7.

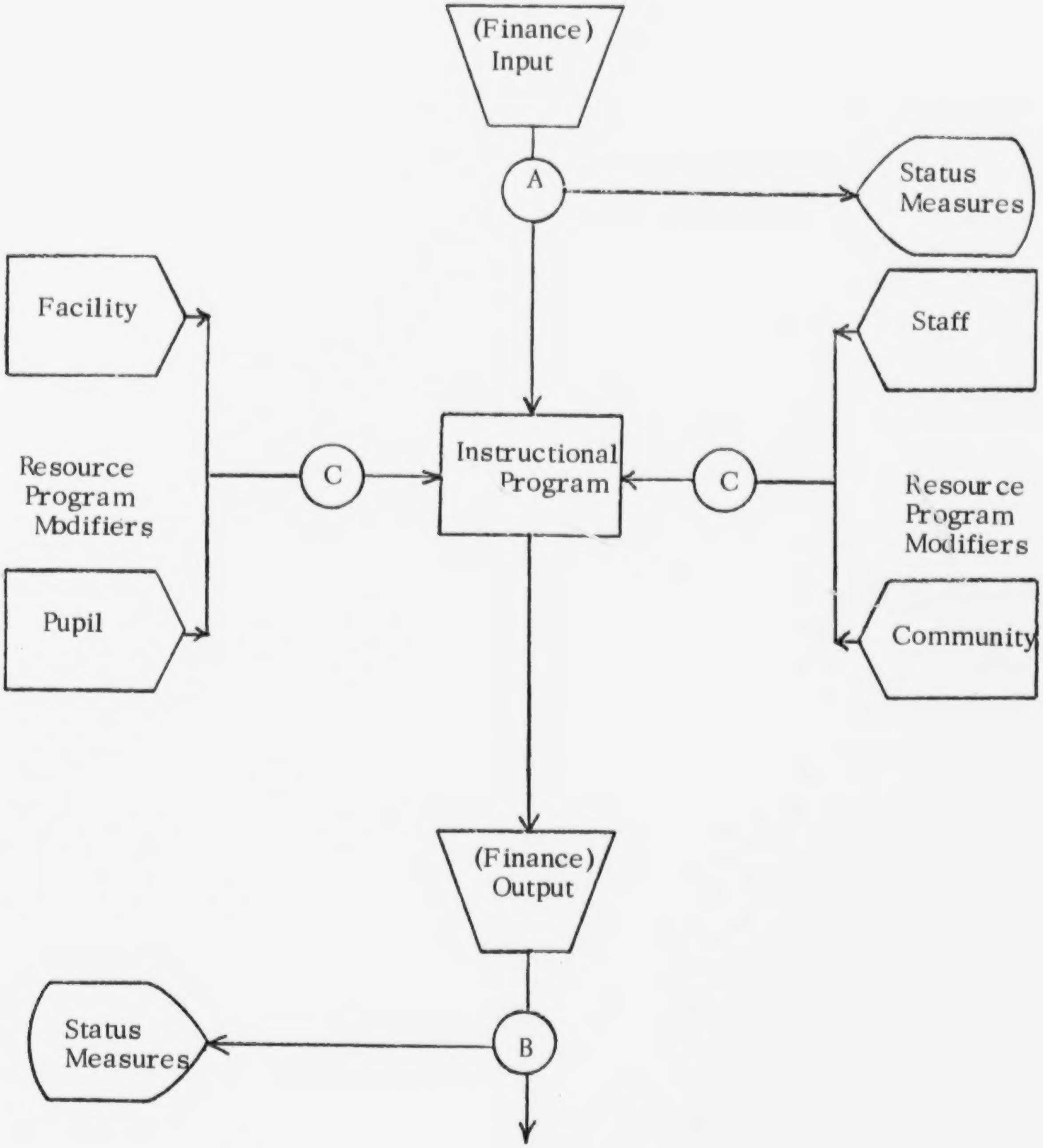

(Finance) Input
A
Status Measures
Facility
Resource Program Modifiers
Pupil
C
Instructional Program
C
Staff
Resource Program Modifiers
Community
(Finance) Output
Status Measures
B

Figure 8.

is somewhat different from the other data files in the system. It is expected that the data collected for the Pupil data file will be divided into two categories: (1) items essential for the calculation of required statistics; (2) optional pupil items. The possible items provide an extensive list that should be used to select those items necessary to collect and store information in support of previously defined requirements.

The provision of a dynamic base of pupil data would allow the systematic monitoring of intents versus actual performance in our educational programs. The usefulness of a Pupil data base can also be viewed for planning changes in educational output. Knowledge of present status represents a springboard for planning. At the state and federal levels, base line pupil information serves a management function in that the exceptions, i.e., deviations from the expected values, point to future educational priority modification and serve as a basis for decision-making.

Staff data are included in the data base for program monitoring at the local level and are available for other decision situations at the state and federal levels. The elements would include demographic characteristics, training and experience, ratings and effectiveness measures, and salary.

Internal and External Resources can be divided into the facility and material resources of the school and the community. Facility information serves both a planning and descriptive function. Common data elements about the facility would include the site characteristics, the buildings (construction, age and condition), the educational and noneducational space, the equipment specifications, and program materials.

Community characteristic data are a necessary element as the community forms the envelope for the existence of an educational system. The size and composition of the community that each school serves would fall in this data category. Typical elements are area served, principal industries, principal housing types and conditions, income level, ethnic characteristics, expectation levels, and resource people and industries.

The Financial statement of a school system is often referred to as a financial plan. This management system is closely related to financial information. Earlier the program was offered as the best vehicle available for understanding educational processes. Now, fiscal reporting is presented as reflecting the cost of operating the educational program. In the decision-making sense, financial information says it cost a dollars to operate the b educational program consisting of c facilities operated by d staff members on e pupils with f resources to produce g characteristics given an h condition of an operand at input.

The Finance file has been designed with the dual objective of becoming an integral part of the ES'70 system and of introducing the technique of program-oriented accounting into an area which is traditionally fund-object oriented. The successful implementation of this file, in a particular program, will require considerable revision in existing methods and procedures in budgeting and in the reporting of expenditures at the local, state, and national levels. The finance file will try to provide ES'70 with an accounting system for its internal financial processing. It is directed toward the responsibility at the simulation and modeling level of reporting financial situations.

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A GLOSSARY OF TERMS for the

Management Information System

A plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system.

II

IOWA EDUCATIONAL INFORMATION CENTER

A GLOSSARY OF TERMS FOR THE IEIC MANAGEMENT INFORMATION SYSTEM

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The IEIC Management Information System represents a plan to utilize modern management techniques to facilitate the goal of a learner––responsive school system.

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IOWA EDUCATIONAL INFORMATION CENTER
The University of Iowa
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MANAGEMENT INFORMATION SYSTEM GLOSSARY

A glossary of workable terms collected generally for the use of the MIS task force. Many of the terms have been adapted, wholly or in part, from such published handbooks as "Pupil Accounting for Local and State School Systems" (USOE, Handbook V), and "Uniform Financial Accounting for Iowa Schools" (Iowa State Dept. of Public Instruction).

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–A–

Absence––Nonattendance of a pupil on a day or half day when school is in session.

Account––A descriptive heading under which are recorded financial transactions that are similar in terms of a given frame of reference, such as purpose, object, or source.

Accounting Period––A period at the end of which all accounts are closed and the balance carried forward for the next fiscal year for Iowa schools from July 1 to June 30.

Activities, Noncourse (Cocurricular)––Activities, under the direction of the school, for which participation generally is not required and credit generally is not given. Such activities often include student organizations, interscholastic and intramural athletics, entertainments, publications, clubs, band, orchestra, and service activities. When these activities are managed by pupils under the guidance or supervision of staff members, they generally are considered to be student body activities. Activities in which participation is required or credit is given usually are considered to be courses. See also Student Body Activities, and Course.

Activities, Nonschool––Activities which are neither sponsored by the school nor under the guidance or supervision of staff members, but are considered significant in terms of permanent records about pupils.

Administration––Those activities which have as their purpose the general regulation, direction, and control of the affairs of the school district that are systemwide and not confined to one school, subject, or narrow phase of school activity.

Administrative Unit––A geographic area which for specified public school purposes is under the supervision or control of a single board of education and/or administrative officer. This may be a state, intermediate, or local basic unit.

Adult Education––Instruction which provides opportunity for adults and out-of-school youth to further their education. This instruction may be offered through a separate adult education instructional organization of a school system (such as an evening school or an adult trade, technical, or vocational school), through an adult education program of a college, or through some other arrangement. While most pupils in adult education receive their instruction in courses to which an instructional level has not been assigned, adult education often includes instruction at the postsecondary instructional level for which credit is not given toward a degree or toward the completion of a terminal program.

Aggregate Days Attendance––The sum of the days present (actually attended) of all pupils when school was legally in session during the regular school year. Only days on which the pupils were under the guidance and direction of teachers in the teaching process should be considered as days in session.

Aggregate Days Membership/Enrollment––The sum of the days present and absent of all pupils when school was legally in session during the regular school year. Only days on which the pupils were under the guidance and direction of teachers in the teaching process should be considered as days in session.

Alternate Course––A course that is acceptable as a substitute for a specific requested course, e.g., Speech 125 (in place of Journalism 144).

Annual Current Expenditures Per Pupil in ADM––The annual current expenditures (including expenditures for administration, instruction, attendance and health services, pupil transportation services, operation of plant, maintenance of plant, and fixed charges) divided by the average daily membership for the year.

Appropriation––An authorization granted by a legislative body to make expenditures and to incur obligations for specific purposes.

Area of School Site––Consists of the total developed and undeveloped acreage serving a school, including areas occupied by buildings, walks, drives, parking facilities, and other improvements to site. If a school uses more than one piece of land, the area of the site is the sum of the areas of the separate pieces.

Area of Interior Space––The floor area of an interior space or area shall be the total area measured between the principal wall faces at or near floor level, plus wall case or alcove spaces, or both, opening into and designed to serve the activity carried on in the area, exclusive of areas otherwise included as construction.

Actual Teacher Station Utilization (TSU)–(Density) TSU

$$TSU = \frac{\text{No. mods per cycle the Station is in use.}}{\text{No. mods in a cycle.}}$$

Actual Pupil Station Utilization (PSUA)––

$$\text{PSUA} = \frac{\text{Sum of actual pupils taught per cycle in a TS Utilized and or Reserved}}{\text{Pupil stations in a TS utilized and/or Reserved x no. mods per cycle.}}$$

Assignment––A classification of activities performed by a staff employee which can be described and identified.

Assignment, Full-Time––The amount of employed time normally required of a staff member to perform a less than full-time assignment divided by the amount of time normally required in performing a corresponding full-time assignment. Full-time equivalency of assignment usually is expressed as a decimal fraction to the nearest 10th.

Assignment (Less than Full-Time)––Assigned activities within an assignment classification which do not require all of the time of a full-time staff member to perform (See also Salaries, Part-Time).

Attendance––Presence of a pupil on days when school is in session. Pupils participating in school-sponsored activities under the guidance and supervision of staff members, either at or away from school, are considered to be in attendance.

Automatic Data Processing––The use of machines and devices in the storing of individual items of information in a form by which they may be rapidly and accurately retrieved, processed, and reproduced as single line items, as lists of items, or in desired combinations with other items.

Average Class Size ––The total membership of classes of a given type, as of a given date, divided by the number of such classes.

Average Daily Attendance––The average daily attendance for a given school is the aggregate days attendance of the school during a given reporting period (generally a regular school year) divided by the number of days school was legally in session during this period. Only days on which the pupils were under the guidance and direction of teachers in the teaching process should be considered as days in session.

Average Daily Membership/Enrollment––The average daily membership/enrollment for a given school is the aggregate days membership of the school during a given reporting period divided by the number of days school was legally in session.

–B–

Board of Education––The elected or appointed body which has been created according to state law and vested with responsibilities for educational activities in a given geographical area.

Budget, Educational––A plan of operation for a given period embodying

(1) the proposed educational program to be offered,
(2) an estimate of proposed expenditures, and
(3) the proposed means of financing them for a given school year.

Budgetary Control––The control or management of the affairs of the school district in accordance with an approved budget with a view toward maintaining the educational plan and keeping within the authorized amounts.

Building––A building is one continuous structure which may or may not be connected with other structures by passageways. It includes the building itself and the plumbing, sanitary, heating, ventilating, mechanical, and electrical work, and lockers, cabinets, and shelves which are built into the building. Individual structures comprising a single school plant that are connected by breezeways or covered passageways that are not enclosed with similar type and quality of construction as the building proper are separate buildings; however, buildings so connected are accounted for on a single building record form as if they were one building.

–C–

Capacity––The largest number of students instructed in a teaching station or building without curtailing the desired educational program.

Capital Outlay––An expenditure which results in the acquisition of fixed assets or additions to fixed assets. It is an expenditure for land or existing buildings, improvement of grounds, construction of buildings, additions to buildings, remodeling of buildings, or initial or additional equipment. It includes installment or lease payments on property (except interest) which have a terminal date and result in the acquisition of property.

Certificate––The legal document giving authorization from the state (or any agency or organization authorized by the state) to perform services for the school system. (Licenses which meet these criteria should be regarded as certificates.)

Certified––Personnel authorized by the state to perform services for which a legal credential is necessary.

Certificate Endorsement––The information included in or added to an issued certificate specifically indicating the services which the certificate holder is authorized to perform.

Clerical Worker––A staff member performing assigned activities such as preparing, transcribing, systematizing, or preserving written communications and reports, or operating such mechanical equipment as bookkeeping machines, card punch machines, typewriters, tabulators, etc.

Chairman (Department)––A staff member performing assigned activities in directing and managing a designated division of the instructional program in a school.

Class––A group of pupils assembled for instruction for a given period of time under one or more teachers in a situation where the teacher(s) and the pupils are in the presence of each other.

Class Period––The portion of the school day set aside for a designated teaching activity.

Classroom––A room designed or adapted for regularly scheduled group instruction. This includes the so-called regular classrooms and special use classrooms such as laboratories and shops but excludes such rooms as auditoriums, lunchrooms, libraries, and gymnasiums.

Code––A system of numbers or other symbolic designations used for identifying previously defined items and categories of information.

Code Designation––A number or other symbolic designation assigned to a specific item or category of information for identification purposes.

Coding––Distinguishing items and categories of information by assigning numbers or other symbolic designations so that the items and categories are readily identifiable. (This is a modification of the definition in Handbooks II, III, and IV.)

Code Number––A code number must be only numeric and each item of a set must be uniquely coded; e.g., English 4A may be course 201. (Flexible Modular Scheduling.)

Combination––It is possible to specify that Phase I of one or more subcourses shall meet (be combined) with Phase I of a master course. Such a specification is called a Combination. (Flexible Modular Scheduling.)

Consultant––A resource person who provides assistance to the regular personnel through conference, demonstration, research, or other means. There are two types of consultants: those retained on a temporary basis and those who are permanently employed.

Contracted Services— Services rendered by personnel who are not on the payroll of the school district, including all related expenses covered by the contract.

Cost— –The amount of money or money's worth given for property or services.

Course— –An organization of subject matter and related learning experiences provided for the instruction of pupils on a regular or systematic basis, usually for a predetermined period of time (e.g., a semester, a regular school term, and a two-week workshop). Credit toward graduation or completion of an instructional program generally is given pupils for the successful completion of a course.

Course Enrollment Transfers— –Enrollment transfers can be used to facilitate the reassignment of groups of students, necessitated by (1) a course tally in excess of 750, (2) a change in course number, or (3) a dropped course.

Course–Phase Code Number— –A course is composed of one or more phases and/or sections. Each course is uniquely identified by a three-digit number assigned by the school. A course-phase code number of five digits identifies the course and, in addition, specifies the number of phases in the course and the number of the particular course phase. (Flexible Modular Scheduling.)

Course Structure— –The course structure refers to the pattern of periods per meeting, and meetings per cycle.

Credit— –The unit of value awarded for the successful completion of certain courses, intended to indicate the quantity of course instruction in relation to the total requirements for a diploma, certificate, or degree. Credits frequently are expressed in terms such as "Carnegie units," "credits," "semester credit hours," and "quarter credit hours."

Current Assets— –Assets available or which can readily be made available to meet the cost of operation or to pay current liabilities.

Current Expenditures— –The total of all expenditures made during a given period of time except for capital outlay, debt service, and tuition.

Curriculum— –The total possible planned interaction of pupils with instructional content, for the attainment of the educational objectives.

–D–

Day Independence— –It is possible to specify that individual courses shall have day independence with respect to meetings. In particular, no two phases of such a course on a per-section basis can have meetings scheduled on the same day.

Day Pattern Specification— –A limited set of days within the cycle to which scheduling of sections of a course-phase is restricted.

Department––An administrative subdivision of a school, with a teaching staff responsible for instruction in a particular subject area or field of study, e.g., the English department, the science department, and the music department.

Departmentalized Organization––The organization of instruction in such a way that teachers specialize in one or two subject areas and give instruction in these areas to several classes. Under the departmentalized organization, pupils or teachers move from room to room for different classes during the schoolday.

–E–

Enrollment––The total number of original entries and reentries in an administrative unit during a given reporting period.

Equipment––A material item of a nonexpendable nature, such as a builtin facility, a movable or fixed unit of furniture or furnishings, an instrument or apparatus, a machine (including attachments), an instructional skill-training device, or a set of small articles whose parts are replaceable or repairable, the whole retaining its identity and utility over a period of time which is characteristic of and definable for items in that it will last five years and will cost more than $10 per unit.

Exclusive Student Sectioning (ESS)––ESS has meaning only when two or more phases of a course have two or more sections. The effect of ESS is illustrated in the accompanying diagram, which is intended to indicate that the students enrolled in sections C1 and C2 must be drawn only from those in B1 (i.e., none from B2), while the students enrolled in sections C3 and C4 must be drawn only from those in B2 (i.e., none from B1).

B1		B2	
C1	C2	C3	C4

Expenditures––Only actual disbursements for all purposes. (Transfers between funds, investment of cash in U.S. Bonds and payments of cash in settlement of liabilities already accounted as expenditures are not considered as expenditures).

Extracurricular Activities––(also called student activities, cocurricular activities, and extraclass activities) ––The less formal phases of the school program offered in addition to the normal classroom subjects. These are usually offered during an activity period, home room, or outside the regular school hours but in some cases may be offered during regular school hours. They generally have arisen from special interests of students and involve student planning and execution but are supervised by the school. Credit toward graduation is usually not given for student activities.

–F–

Fiscal Period––Any period at the end of which a school district determines its financial condition and the results of its operations and closes its books. It is usually a year, though not necessarily a calendar year. The fiscal period for Iowa school districts is July 1 through the following June 30.

Fixed Assets—Land, buildings, machinery, furniture, and other equipment which the school district intends to hold or continue in use over a long period of time. "Fixed" denotes probability or intent to continue use or possession, and does not indicate immobility of an asset.

Fixed Charges—Charges of a generally recurrent nature which are not readily allocable to other expenditure categories. They consist of such charges as school board contributions to employee retirement, insurance and judgments, and rental of land and buildings.

–G–

Gross Floor Area—The gross area of a building is the sum of the areas at each floor level included within the principal outside faces of exterior walls, neglecting architectural setbacks or projections.

–I–

Improvements to Site—Initial and additional work (other than buildings) performed upon a site and its adjacent ways after acquisition by the school district, involving such things as grading (other than excavation, fill, and backfill necessary for construction of a building), landscaping, seeding, and planting of shrubs and trees; constructing new sidewalks, roadways, retaining walls, sewers, and storm drains; installing water mains, field hydrants and field sprinkling systems, and outdoor drinking fountains; original surfacing and soil treatment of athletic fields and tennis courts; furnishing and installing for the first time playground apparatus built into the grounds, flagpoles, gateways, fences, and underground storage tanks which are not parts of building service systems; and demolition work.

Instruction—The activities dealing directly with the teaching of pupils or with improving the quality of teaching.

Instruction Area—A room (or other area) which was specifically designed, or adapted, to accommodate some form of instructional activity and is available for such purposes. Regular classrooms; special classrooms such as kindergarten rooms, laboratories, shops, home economics rooms, music rooms, and special classrooms for exceptional children; and other areas, such as libraries, study halls, audiovisual rooms, auditoriums, gymnasiums, and multipurpose rooms, should be included as instruction areas.

Instructional Organization—A school or other organizational arrangement which provides instruction of a given type or types, i.e., elementary school instructional organization, secondary school instructional organization, junior college instructional organization, and adult education instructional organization.

–J–

Journal Voucher—A paper or form on which the financial transactions of the school district are authorized and from which any or all transactions may be entered in the books. By means of the journal voucher, the budget may be put into operation and expenditures made to meet authorized obligations. Journal vouchers are also used to set up clearing account funds and petty cash funds, and for authorizing all entries in the bookkeeping system for which no other authorizations, such as deposit slips, invoices, etc., are available. A form of journal vouchers is a memorandum in the school board minutes.

-L-

Liabilities––Debt or other legal obligations arising out of transactions in the past which are payable but not necessarily due.

-M-

Manual Tally Unit––The manual tally unit should be computed during the normal checking procedure for the course data packets. It consists of the course and phase number for identity, the number of sections in the phase, and the number of modules per section (M/S). M/S is determined by multiplying periods per meeting by meetings per cycle (PPM x MPC = M/S). The manual tally unit should be used to account manually for the teachers and rooms assigned to course packets.

Mark––A rating of achievement or academic progress assigned on the basis of some predetermined scale, e.g., letters (A,B,C,D,F), numbers (4,3,2,1,0), words or phrases (outstanding, satisfactory, needs improvement), and percentages.

Mark-Point Average (MPA)––A measurement of average performance in all courses taken by a pupil during a marking period, school term, or year––or accumulated for several school terms or years––obtained by dividing total mark points by total courses or by hours of instruction per week. Included under this heading is information about the frequency and scope of mark-point averages.

Mark Value––The scale of numerical equivalents for marks awarded, indicating performance in school work and used in determining a pupil's mark-point averages.

Master Course––A master course has at least one other course combined with its Phase I meeting(s).

Master Schedule––A printed document or other record indicating how pupils and teachers have been assigned into spaces at given times for instructional or other activities.

Measure––A unit of measurement to which reference may be made for purposes of description, comparison, and evaluation. Many measures are obtained by computation involving one or more items of information.

Meeting Pattern––Specifies for a course-phase the pattern in terms of periods per meeting and meetings per cycle that is to be followed in scheduling classes of that course-phase. No class is permitted to meet twice in the same day.

Membership––The number of pupils on the current roll of a class or school as of a given date. A pupil is a member of a class or school from the date he enters until he withdraws. During this period, the pupil is either present or absent on each day (or half day) during which school is in session. The date of withdrawal from membership is the first day after the date of last attendance, if known; otherwise, the date of withdrawal is considered to be the date on which it becomes known that the pupil left. Membership for a class or school, as of a given date, is obtained by adding the total original entries and total reentries and subtracting the total withdrawals; it may also be obtained by adding the total number belonging.

Migrant Worker––An individual whose primary employment is on a seasonal or other temporary basis and who establishes a temporary residence, with or without his family, for the purpose of such employment

Module––A time period, e.g., 60 minutes, specified by the user as the basic subdivision of his school day.

MPC––Meetings per cycle, e.g., three, five, etc., as needed.

–O–

Operation of Plant––Those activities which are concerned with keeping the physical plant open and ready for use. It includes cleaning, disinfecting, heating, moving furniture, caring for grounds, operating telephone switchboards, and other such housekeeping activities as are repeated somewhat regularly: daily, weekly, monthly or seasonally. It does not include repairing.

–P–

Personnel, Administrative––Personnel on the school payroll who are primarily engaged in activities which have as their purpose the general regulation, direction, and control of the affairs of the school district that are systemwide and not confined to one school, subject, or narrow phase of school activity; for example, superintendent of schools, business manager, and accountant.

Personnel, Certified––A person who holds a certificate issued by The State Department of Public Instruction (or other agency––doctors, dentists) currently in force.

Personnel, Clerical––Personnel occupying positions which have as their major responsibilities the preparing, transferring, transcribing, systematizing, or preserving of written communications and records. This also includes stock clerks, shipping clerks, etc.

Personnel, Contract––The formal agreement, represented by a legal signed document entered into by an individual and the officials of the school system, stating the salary to be paid, the length of term of the agreement, and the general duties to be performed.

Personnel, Full-Time––School employees who occupy positions the duties of which require them to be on the job on school days, throughout the school year, at least the number of hours the schools in the systems are in session.

Personnel, Guidance––Persons who have been assigned specific duties and school time to carry on recognized functions of the guidance programs in whole or in part. Classify here: Counselors, teacher-counselors, directors of guidance, guidance coordinators, and similar personnel. In Iowa this refers to personnel approved as counselor or teacher-counselor with specific assigned time for guidance.

Personnel, Health––Persons in the field of physical and mental health such as physicians, psychiatrists, school nurses, dentists, dental hygienists, psychiatric social workers, and therapists, whose services are directed primarily at individuals although sometimes used for group activities.

Personnel, Instructional––Those who render direct and personal services which are in the nature of teaching, or the improvement of the teaching-learning situation. Included here are consultants or supervisors of instruction, principals, teachers (including teachers of homebound), guidance personnel, librarians, school social workers, and psychological personnel. Attendance officers, health personnel, visiting teachers, and clerical personnel should not be included as instructional personnel.

Personnel, Maintenance––Personnel on the school payroll who are primarily engaged in the repairing and upkeep of grounds, buildings, and equipment.

Personnel, Number of––The number of superintendents, supervisors, principals, teachers, clerks, custodians, etc., refers to the number of positions. Although a position may become vacant several times during the year, with the result that several persons may be employed to fill this one position, it would be considered as one position.

Personnel, Operation––Personnel on the school payroll who are primarily engaged in keeping the physical plant open and ready for use. Included are personnel engaged in cleaning, disinfecting, heating, moving furniture, caring for grounds, operating telephone switchboards, and other such work except repairing, which is repeated somewhat regularly (daily, weekly, monthly, or seasonally).

Personnel, Part-Time––Personnel who occupy positions the duties of which require less than full-time service. This includes those employed full time for part of the school year, part time for all of the school year, and part time for part of the school year.

Phase––An element of course structure. Typically, the phases have been referred to as large-group, small-group, and laboratory. More precisely, a change in phase is required if a change in the specifications of one or more of the following is required:

(1) Meeting Pattern, i.e., meetings per cycle and periods per meeting.
(2) Number of Sections, i.e., class size.
(3) Teaching Staff.
(4) Room Restrictions.

PPM (Periods Per Meeting)––One (1) to nine (9), as needed. PPM cannot be so large as to preclude the possibility of scheduling lunch; e.g., PPM greater than half the day is unacceptable.

Priority Course––Refer to Requested Course.

Priority Order––The flexible scheduling system requires that course requests be listed in decreasing order of preference.

Principal––The administrative head of a school (not school district) to whom has been delegated the major responsibility for the coordination and supervision of the activities of the school.

Program Area––This term refers to any one of five specific organizational units: elementary day schools, secondary day schools, summer schools, community colleges or junior colleges, and adult education.

Prorating––The allocation of parts of a single expenditure to two or more different accounts in proportion to the benefits which the expenditure provides for the purpose or program area for which the accounts were established.

Public School––A school operated by publicly elected or appointed school officials in which the program and activities are under the control of these officials and which is supported by public funds.

Pupil––An individual for whom instruction is provided in an educational program under the jurisdiction of a school or school system. No distinction is made between the terms "pupil" and "student"; the term "pupil" is used to include individuals at all instructional levels. The pupil may receive his instruction in a classroom of a school plant or in another location such as his home or a hospital. Instruction may be provided by direct teacher contact or by some other approved means such as television and correspondence.

Pupil Mod––P.S.O. of each mod of the cycle.

Pupil Station (PS)––Space assigned to a pupil for instructional purposes; usually a chair, desk, or laboratory space.

–R–

Record––A collection of information which is prepared by a person, unit, or organization for the use of that person, unit, or organization.

Registration––The process of entrance into a school or course.

Remodeling––Any major permanent structural improvement to a building. It includes changes of partitions, roof structure, or walls. Repairs are not included here but are included under operation and maintenance.

Repairs––The restoration of a given piece of equipment, of a given building, or of grounds to original condition of completeness or efficiency from a worn, damaged, or deteriorated condition.

Replacement of Equipment––A complete unit of equipment purchased to take the place of another complete unit of equipment which is to be sold, scrapped, or written off the record, and serving the same purpose as the replaced unit in the same way.

Report––A collection of information which is made by a person, unit, or organization for the use of some other person, unit, or organization.

Reporting Period––A period of time for which a report is prepared, e.g., a calendar year, school year, regular school term, summer school term, semester, and marking period.

Reporting Unit––The organizational unit submitting a report, e.g., a state department of education, an intermediate administrative unit, a local basic administrative unit, and a school.

Requested Course—In requesting enrollment in courses a student must distinguish between requested courses and alternative courses which may, if necessary, be substituted for requested courses. (See Student Request Form.)

Resident—An individual who lives within a given administrative unit.

Resources—The resources of the school are the teachers, rooms, courses, and students.

Resource Code Number—Within each resource category (except students) a unique three-digit number must be assigned to each resource. The student number and name cannot exceed 24 characters (numeric and alphabetic), and a distinct five-digit number for each student must appear as sort data.

Resource Sequence Code—The resource code numbers used by the school on the INCA forms are assigned new internal system *sequential* numbers which are used by the remaining programs in the system. This sequential number is referred to as the resource sequence code. With the exception of INCA, all the programs in the system which require school originated data used this resource sequence code on the input forms.

Retirement Fund System—A plan whereby a fund of money, built up through contributions from participants and other sources, is used to make regular payments to those who retire from service in the educational system by reason of age, disability, or length of service.

Retrieval of Information—Locating and recovering information from wherever it may be stored.

Salary—The total amount regularly paid or stipulated to be paid to an individual, before deductions, for personal services rendered while on the payroll of the school district. Payments for sabbatical leave are also considered as salary.

Salaries, Full-Time—Expenditures made for the salaries of school employees who occupy positions the duties of which require them to be on the job throughout the school year, at least the number of hours the system's schools are in session (although these hours may be at a different time than that used for actual classroom instruction).

Salaries, Part-Time—Expenditures for salaries of personnel who occupy positions the duties of which require less than full time service. This includes those employed full time for part of the school year, part time for all of the school year, or part time for part of the school year.

School—A division of the school system consisting of a group of pupils composed of one or more grade groups, organized as one unit with one or more teachers to give instruction of a defined type, and housed in a school plant of one or more buildings. More than one school may be housed in one school plant as is the case when the elementary and the secondary programs are housed in the same school plant.

School Census––An enumeration and collection of data, as prescribed by law and the State Department of Public Instruction, conducted as of June 1 in each even-numbered year to determine the name, age, sex and post office address of all individuals not yet 21 years of age as of June 1 who reside in a given school district, and to secure other information deemed pertinent to education.

School Day––The period of time between the start of the first period and the end of the last period. This does not include the time when teachers must be at the school prior to the first period in the morning and after the last period in the afternoon; it includes only the time when all students must be at school plus the lunch hour. That part of a calendar day when active instruction of pupils occurs. In Iowa, the minimum length of the school day for the various grade levels, exclusive of the lunch intermission, is determined by the State Department of Public Instruction standards.

School District––This term is used synonymously with the term "local basic administrative unit."

School Facility––A building or site belonging to or used by a school or school system for school purposes.

School Holiday––A day on which school is not conducted either because of legal provisions or because of designation by the board of education as a holiday. Since such days are not considered as days in session, the pupils are considered as being neither present nor absent on school holidays.

School Plant––The site, buildings, and equipment constituting the physical facilities used by a single school or by two or more schools sharing the use of common facilities.

School Site––The land and all improvements to the site, other than structures, such as grading, drainage, drives, parking areas, walks, planting, play courts, and playfields.

School System––All the schools and supporting services operated by the board of education of a given administrative unit.

School Term––A major subdivision of the school year designated by the board of education when school is to be in session unless legally discontinued. A school term may be interrupted by one or more vacations.

School Term, Regular––The school term which usually begins in the late summer or the fall and ends in the spring. A regular school term may be interrupted by one or more vacations.

School Term, Summer––The school term taking place in the summer during the period between the end of one regular school term and the beginning of the next regular school term.

Section––A subdivision of the enrollment in a course (or phase). The user specifies the number of sections for individual course-phase. An attempt is made to balance section enrollment.

Session––The period of time during the school day when a given group of pupils is under the guidance and direction of teachers.

Session (Curtailed)––A school session with less than the number of hours of instruction recommended by the State Department of Public Instruction.

Session (Day In)––A day on which the school is open and the pupils are under the guidance and direction of teachers. On some days the school plant may be closed and the student body as a whole engaged in school activities outside the school plant under the guidance and direction of teachers. Such days should be considered as days in session. Days on which school is closed for such reasons as holidays, teachers' institutes, and inclement weather should *not* be considered as days in session.

Session (Full Day)––A school session which contains at least the minimum number of hours recommended by the state education agency for a full day of attendance in a given elementary or secondary grade other than kindergarten or nursery.

Session (Half-Day)––A school session which contains the minimum number of hours recommended by many state education agencies for kindergarten or nursery instruction, when the length of this session approximates half the number of hours recommended for a full-day session in other elementary grades. Kindergarten and nursery pupils attending a half-day session are in membership for the full day. However, for purposes of obtaining statistical comparability *only*, pupil-staff ratios involving these pupils are computed as though these pupils were in membership for a half day.

Sessions (Double)––A school day with separate sessions for two groups of pupils in the same instructional space, e.g., one room used by one fourth-grade class in the morning and by another fourth-grade class in the afternoon; one school building used by high school juniors and seniors during a morning session and by freshmen and sophomores during an afternoon session.

Session (Extended Day)––A school day with separate times for different groups of pupils to start and end their sessions in the same school plant, e.g., high school juniors and seniors begin their session at 7:30 a.m. and the freshmen and sophomores begin their session at 8:30 a.m., the session for juniors and seniors ending one hour prior to the time the session ends for the freshmen and sophomores.

Sort Number––A numeric code given to a set of items that will allow the set to be placed in some desired sequence mechanically.

Standard Capacity––This is equal to the "area of Teacher Station" over "allowable area per pupil station."

Standard Pupil Station Utilization––This is equal to the "sum of pupil mods per cycle of a TS" over the "number of Standard Pupil Stations times the number of mods per cycle."

State Aid for Education––Any grant made by a state government for the support of education.

Structured Time––Modules during which assignments have been made on the master schedule for both teacher and student.

Student Body Activities——Direct and personal services for public school pupils such as interscholastic athletics, entertainments, publications, clubs, band, vocal groups and orchestra, that are managed or operated by the student body under the guidance and direction of adults.

Student Organization——A group of pupils organized into a single body for the purpose of pursuing common goals and objectives. Such organizations include the various types of clubs and class organizations which, with the approval of appropriate school authorities, are managed and operated by pupils under the guidance or supervision of qualified adults.

Student Request——A request by a student to be enrolled in a course. Typically the student's list of course requests must be approved by his counselor.

Sub-Course——One in which its Phase I is to be combined with Phase I of a master course. A sub-course can be combined with only one master course. Since no course can have more than one (1) Phase I.

Subject Area——A grouping of related courses or units of subject matter under a heading such as English language arts; foreign language arts; art education; music; mathematics; natural sciences; social sciences or social studies; health, safety, and physical education; industrial arts technology (non-vocational); vocational, industrial, and technical education; home economics; agriculture; and business education.

Substitute Teacher——A certificated teacher employed to replace a certified regular teacher for not over 90 days in any one year, and paid by the day or hour. This does not apply to a person employed to fill a bonafide vacancy.

Superintendent of Schools——The chief executive officer of a school administrative unit.

Supervisors of Instruction——School personnel who have been delegated the responsibility of assisting teachers in improving the learning situation and instructional methods.

Supply——A material item of an expendable nature that is consumed, worn out, or deteriorated in use; or one that loses its identity through fabrication or incorporation into a different or more complex unit or substance.

Surplus——The excess of resources over obligations.

Suspension——Temporary dismissal of a pupil from school, usually by school personnel having authority granted by the board of education.

–T–

Taxes——Compulsory charges levied by a governmental unit for the purpose of financing services performed for the common benefit. The term includes licenses and permits. It does not include special assessments.

Teacher––A staff member performing assigned professional activities in guiding and directing the learning experiences of pupils in an instructional situation.

Teaching Assignment––An assignment to a staff member to instruct pupils. The assignment may be in course or noncourse instructional situations.

Teacher Station (TS)––Any space where a teacher (or more in the case of team teaching) instructs a group of students. Libraries, cafeterias, etc., would be excluded but a space designed so four classes may be taught simultaneously would be four teaching stations. Teacher station equals "room" on the flexible schedule.

Teacher Station Utilization (Actual)––A TSU (percentage) is equal to the "number of mods per cycle the station is in use" divided by the "number of mods in a cycle."

Textbooks––Books obtained primarily for use in certain classes, grades, or other particular student groups rather than for general school use.

Time-Pattern Specification––A specific time pattern in terms of periods in the day and days in the cycle for which a section is scheduled in advance by the school.

Transcript––An official record of pupil performance showing all schoolwork completed at a given school and the final mark received in each portion of the instruction. Transcripts often include an explanation of the marking scale used by the school.

Transfer––A pupil who leaves one class, grade, or school and moves to another class, grade, or school.

Tuition––An amount of money charged by a school district or educational institution for instruction for a set period of time, not including special charges such as books and laboratory fees.

–U–

Unexpended Balance of Appropriation on Allotment––That portion of an appropriation or allotment which has not been expended; the balance remaining after deducting from the appropriation or allotment the accumulated expenditures.

Unit Cost––Expenditures for a function, activity, or service divided by the total number of units for which the function, activity, or service was provided.

–V–

Valuation, Assessed (or Taxable Valuation)––The value placed on property by the assessor for tax purposes; in Iowa, this is a fraction of actual market value.

Vehicle (Privately Owned)––A vehicle owned by a contractor; a vehicle partially owned by a contractor (for instance the contractor may own the chassis and the school own the body); or a car used by a parent who is paid from public funds to transport his own children and sometimes other children to school.

Visting Teacher——Certificated personnel employed primarily in bringing together the home, school, and community in attempting to solve the problems of individuals. Excluded are teachers for home instruction and teachers for instruction in hospitals, convalescent homes, and detention homes who are included under instructional personnel as teachers.

–W–

Warrant——A written order drawn by the school board or its authorized officer directing the school district treasurer to pay a specified amount to a designated payee.

Withdrawal——An individual who has withdrawn from membership in a class, grade or school by transferring, by completing schoolwork, by dropping out, or because of death.

Work Order——A written order authorizing and directing the performance of a certain task, issued to a person who is to direct the work. Among the information shown on the order are the nature and location of the job, specifications of the work to be performed, and a job number which is referred to in reporting the amount of labor, materials, and equipment used.

PUPIL TRACT AREA SURVEY

Management Information System

A plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system.

III

IOWA EDUCATIONAL INFORMATION CENTER

A PUPIL TRACT AREA SURVEY FOR THE IEIC MANAGEMENT INFORMATION SYSTEM

Principal Investigator: Dr. Walter J. Foley

The IEIC Management Information System represents a plan to utilize modern management techniques to facilitate the goal of a learner—responsive school system.

This project is supported by the U.S. Office of Education, Bureau of Research, under Title IV of The Elementary and Secondary Education Act. The research is planned and carried out under Contract Number OEC-0-9-099011-4395 (010).

IOWA EDUCATIONAL INFORMATION CENTER
The University of Iowa
Iowa City, Iowa
April, 1970

MANAGEMENT INFORMATION SYSTEM

Pupil Tract Area Survey

Prepared by
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in cooperation with
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Mr. Monte Kloberdanz, Publications Coordinator, IEIC

INSTRUCTIONS

Research has shown that certain kinds of information are necessary for schools to continually improve the services to the pupils of the district. This information consists of knowledge of family background, information about the student himself, his plans for the future, and his activities in school at the present time.

In an attempt to answer some of these questions for your school, we are asking for a brief period (about 20 minutes) of your time and your sincere cooperation in responding to the following pupil survey. You will thereby be helping your school plan a program relevant to your future needs.

This survey booklet is accompanied by a machine scorable answer sheet. Look at this sheet right now. At the upper right hand corner of the sheet is a box in which you are to record your pupil identification number. Beneath the solid red arrow, you will print your number vertically. Begin writing at the top and write downward. Then grid in the appropriate area for each digit of your number under the numbered spaces to the right of each digit.

Do the same for your grade (10, 11, or 12). The last four blocks may or may not be used depending upon the instructions given at this time by your teacher.

NOW LOOK AT THE PLACE FOR YOU TO RECORD YOUR RESPONSES

You will notice that there is room on each of the 80 items for 10 responses (A - J). You will also notice that A, B, C, . . .J is printed in red ink above every fifth item. This is to help in keeping your mark in the proper blank. Make a solid black mark in the field corresponding to the response you choose. Use only a number 2 lead pencil in completing the survey.

Read each question carefully and completely before answering it. Select the best answer from among those given for each question. Choose the response that is true or most nearly true for you. This is not a test. The correct answer is the one you choose.

Now look at the survey booklet and read the sample question.

A	4' 11" or shorter
B	5'0" - 5'5"
C	5'6" - 5'11"
D	6'0" - 6'2"
E	6'3" - or taller

The sample item gives you a choice of answers to choose from, each one of which is "numbered" with a different letter. If you are 5'10" you would answer the sample as shown on the answer sheet by marking the "C" space. Remember, select the one best answer for each question from among those given and grid the appropriate space on the answer sheet provided. If you have any questions, raise your hand.

Now you may proceed to the first item on the survey. Continue through until you are finished. Your teacher will collect the booklets and answer sheets at the end of the period. Thank you for your consideration.

NOW TURN TO PAGE AND BEGIN.

This first set of questions concerns you and your FAMILY BACKGROUND:

1. Are you a male or female?

   A Male
   B Female

2. How old were you on your last birthday?

   A 14 or younger
   B 15
   C 16
   D 17
   E 18
   F 19
   G 20 or older

3. Where have you spent most of your life?

   A In this city or county
   B In this state but outside this city or county
   C In another state in the United States
   D In another country other than tne United States

4. Which of the following statements best describes your parents?

   A They are married and living together.
   B My mother is not living.
   C My father is not living.
   D They are married but not living together.
   E They are divorced.
   F Neither of my parents is living.
   G I cannot answer this question.

5. With whom are you now living; that is, who are the heads of the house in which you live?

   A Mother and father
   B Mother only
   C Father only
   D Sometimes with my mother, sometimes with my father
   E Mother and stepfather
   F Father and stepmother
   G Grandparents, aunt, uncle, or cousins
   H Brother or sister
   I Foster parents (not relatives)
   J None of the above

The following choices are to be used in answering questions 6 and 7 about the kind of work your father and mother do.

A Technical – such as draftsman, surveyor, medical or dental technician, etc.
B Official – such as manufacturer, officer in a large company, banker, government official or inspector, etc.
C Manager – such as sales manager, store manager, office manager, factory supervisor, etc.
Proprietor or owner – such as owner of a small business, wholesaler, retailer, restaurant owner, etc.
D Semiskilled worker – such as factory machine operator, bus or cab driver, meat cutter, etc.
Clerical worker – such as bankteller, bookkeeper, salesclerk, office clerk, messenger, etc.
E Service worker – such as barber, waiter, mail carrier, etc.
F Salesman – such as real estate or insurance salesman, factory representative, etc.
G Farm or ranch manager or owner
H Workman or laborer – such as factory worker, filling station attendant, farm worker, etc.
I Professional – such as accountant, artist, clergyman, dentist, doctor, engineer, lawyer, college professor, social worker, teacher, etc.
J Skilled worker or foreman – such as baker, carpenter, electrician, mechanic, plumber, tailor, foreman in factory, etc.

6. Which of the above statements best describes your father's occupation? If your father is not living, or if he is retired, what was his occupation?

7. Which of the above statements best describes your mother's occupation? If your mother is not living, what was her occupation?

Use the following choices in answering questions 8 and 9.

A None, or some grade school
B Completed grade school
C Some high school, but did not graduate
D Graduated from high school
E Technical or business school after high school
F Some college, but less than 2 years
G Some college, but less than 4 years
H Graduated from a 4-year college (B.A., B.S., etc.)
I Received the Master's Degree (M.A., M.S., usually 5 or 6 years of college)
J Received the Doctor's Degree (Ph.D., M.D., D.D.S., usually 7 or more years of college)

8. Which one of the above statements best describes the HIGHEST level of education which your father has attained? If your father is not living, what was the highest level he attained?

9. Which one of the above statements best describes the HIGHEST level of education which your mother has attained? If your mother is not living, what was the highest level she attained?

10. Which of the following statements best describes the way your parents feel about the homework your teachers give you?

A To my best knowledge, my parents don't have any feelings one way or another on the subject.
B They feel the teachers give too much homework.
C They feel the teachers give about the right amount of homework.
D They feel teachers give too little homework.

The next set of questions concerns you (THE STUDENT) and will help your school know you better.

11. During this school year, about how many hours a week do you work for pay? Do not include chores done around the home.

    A None
    B About 1 to 5 hours
    C About 6 to 10 hours
    D About 11 to 15 hours
    E About 16 to 20 hours
    F About 21 hours or more

12. On an average school day, how much time do you spend studying outside of school?

    A None or almost none
    B About ½ hour a day
    C About 1 hour a day
    D About 1½ hours a day
    E About 2 hours a day
    F About 3 hours a day
    G Four or more hours a day

In your school, how active have you been in each of the following groups of activities this school year? Mark your answers to questions 13 - 21 as follows:

A Very active (hold office, attend all meetings, hold major responsibility)
B Fairly active (attend all meetings, participate in some major planning or activities)
C Participate little (attend some meetings only)
D Did not participate

13. Athletics (do not include required physical education classes)

14. Speech and dramatics (plays, debates, etc.) (do not include scheduled activities)

15. Music (band, orchestra, choir, glee club; do not include scheduled music classes)

16. Publications (yearbook, school newspaper, etc.; do not include work required for you by English or journalism courses)

17. Service clubs (FFA and FHA, FTA, etc.)

18. Honor Societies (do not include honor rolls)

19. Academic clubs (Latin, Science, Math, etc.; do not include required clubs formed within some language courses).

20. Hobby clubs or activities (photography, chess, etc.)

21. Social activities sponsored by the school (dances, parties, etc.)

22. If something happened and you had to stop school now, how would you feel?

A Very happy, I'd like to quit.
B I wouldn't care one way or the other.
C I would be disappointed.
D I'd try hard to continue.
E I would do almost anything to stay in school.

23. How good a student do you want to be in school?

A One of the best students in my class
B Above the middle of the class
C In the middle of the class
D Just good enough to get by
E I don't care

24. About how many days were you absent from school last year?

A None
B 1 or 2 days
C 3 to 6 days
D 7 to 15 days
E 16 or more days

25. During the last school year, did you ever stay away from school just because you didn't want to come?

A No
B Yes, for 1 or 2 days
C Yes, for 3 to 6 days
D Yes, for 7 to 15 days
E Yes, for 16 or more days

26. What is your grade average for all your high school work?

A A (either A-, A, or A+)
B B (either B-, B, or B+)
C C (either C-, C, or C+)
D D (either D-, D, or D+)
E Don't know

This set of questions concerns how you view your FUTURE:

Use the following choices in answering questions 27 and 28.

A Something less than high school graduation
B High school graduation
C After high school graduation, work for a company that will train me on the job or send me to school at their expense
D Enter the military service after high school and get some training there
E Attend a technical, trade, or business school which requires two years or less to complete
F Attend a technical, trade, or business school which requires more than two years to complete
G Attend some college but not graduate
H Complete a junior college program.
I College graduation (Bachelor's Degree)
J Something beyond a Bachelor's Degree such as a degree in law, medicine, dentistry, M.A. or Ph.D.

27. Suppose that the decision about your future education was entirely up to you, and you need only to consider your own abilities and interests. Which of the preceding statements best describes the highest level of education you could attain?

28. Realistically, considering not only your abilities and interests, but also your financial situation, your parents' expectations, your family responsibilities, and what you want to do after high school, what is the highest level of education you expect to attain?

29. What is the main reason for the difference, if there was a difference, between your answers to the preceding two questions?

A I gave the same answer to both questions.
B My parents want me to continue my education even though I don't think I could succeed.
C My family cannot afford to give me as much education as I could attain.
D Family responsibilities and problems (other than financial problems) will force me to limit my education.
E I would rather get married or go to work than go to the highest level I could attain.
F I don't really want to continue beyond the level marked in the second question.
G I expect to go into the armed forces.

30. If you are a girl, answer this question. (Boys do not answer this question). After you finish your schooling, what do you expect to do?

A Have a full-time career other than homemaker
B Have a full-time career for a while, then combine homemaking with a career
C Have a full-time career for a while, then a full-time homemaker
D Begin with, and maintain both a career and homemaking
E Be a full-time homemaker

31. Which one of the following types of schools do you expect to attend when you finish high school?

A I don't expect to attend any school next year
B Business school (clerical, keypunch, stenographic, accounting, etc.)
C Apprenticeship training program (plumbing, electrical, carpentry, etc.)
D Registered Nursing less than a B.S. degree (not practical nursing)
E Trade School (such as auto mechanics, drafting, electrician)
F Technical School (such as electronics, engineering technology)
G Junior College (2 years) or Area Community College or Area Vocational School (2 years)
H College (4 years or more).

32. If you plan to continue your education when you finish high school, where do you expect to go to school?

A I do not expect to continue school beyond high school
B In my hometown or near enough so I can live at home
C In Iowa but away from home
D Outside of Iowa but in a Midwestern state
E In a Northeastern state
F In a Southeastern state
G In a Northwestern state
H In a Southwestern state
I Outside of the United States
J I do not know yet

33. Which of the following statements best describes how you plan to finance your education or training beyond high school?

A All finances will be taken care of by parents, scholarships, grants, savings, or a trust fund.
B I will have to work or borrow part of the money, with the remainder being provided by parents, scholarships, or other means.
C I will have to borrow or work for all the money.
D I don't know at this time how I will finance my education or training.
E I don't plan to continue my education or training beyond high school.

What one INDIVIDUAL has given you the best HELP in assisting you to do the following:

For items 34 through 42, use the following possible responses:

A Teacher
B Counselor
C Student
D Principal
E No one

34. Assisting you to select your school subjects?

35. Assisting you to plan ways to study better?

36. Assisting you to plan for your future education after high school?

37. Assisting you to plan your occupational career?

38. Assisting you to learn more about yourself?

39. Assisting you to get along better with other people?

40. Assisting you to learn about the school when you first came as a new student?

41. Assisting you to learn how you scored on a standardized ability and achievement test?

42. Assisting you to solve a personal problem?

43. Do you feel that you can get to see a guidance counselor when you want to or need to?

A Yes
B No

44. How many times did you talk to a guidance counselor this past year?

A Never
B Once
C Two or three times
D Four or five times
E Six or more times

45. Has any teacher helped you individually very much this year outside of class time?

A Yes
B No

This set of items refers to you in your PRESENT SCHOOL SITUATION:

Use this list to answer questions 46 and 47.

A Mathematics (arithmetic, algebra, geometry, etc.)
B English (reading, speech, literature, rhetoric, etc.)
C Social Studies (geography, history, civics, etc.)
D Sciences (chemistry, biology, physics)
E Foreign Language (French, Spanish, German, etc.)
F Music (band, chorus, etc.)
G Industrial arts and vocational subjects (homemaking, shop, mechanical drawing, agriculture, etc.)
H Art, drawing, and crafts
I Business education
J Physical education

46. Which one of the above groups of subjects do you like the best?

47. Which one of the above groups of subjects do you like the least?

48. How do you feel about homework?

- A Teachers give us too much.
- B I like the amount teachers presently give us.
- C Teachers give us too little.

49. Do you have a car of your own (car which you actually own or one which is considered only yours to use)?

50. How often do you drive your parents' car?

- A Never
- B Once a week
- C Twice a week
- D Three times a week
- E Four times a week
- F Five or more times a week

51. When you finish your education, what sort of a job do you think you will have?

(Use the same responses for this item as appear on the first page for items 6 and 7, i.e., A Technical – such as draftsman, surveyor, medical or dental technician, etc. – and all of the categories as they appear there.)

THANK YOU FOR YOUR TIME AND COOPERATION.

CLASSROOM UTILIZATION

Management Information System

A plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system.

IV

IOWA EDUCATIONAL INFORMATION CENTER

CLASSROOM UTILIZATION FOR THE IEIC MANAGEMENT INFORMATION SYSTEM

Principal Investigator: Dr. Walter J. Foley

The IEIC Management Information System represents a plan to utilize modern management techniques to facilitate the goal of a learner - responsive school system.

This project is supported by the U.S. Office of Education, Bureau of Research, under Title IV of The Elementary and Secondary Education Act. The research is planned and carried out under Contract Number OEC-0-9-099011-4395 (010).

IOWA EDUCATIONAL INFORMATION CENTER
The University of Iowa
Iowa City, Iowa
October 1970

MANAGEMENT INFORMATION SYSTEM

Classroom Utilization

Prepared by
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in cooperation with

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Mr. Monte Kloberdanz, Public Relations Coordinator, IEIC

I.

The basic element of every school building is the space where teaching and learning activities are carried out. Since learning activities vary widely in nature, the spaces devoted to them differ in size, shape, and the way in which they are equipped for instruction. Some of these instructional spaces are quite specialized in nature – for example, laboratories, gymnasiums, and shops. The classrooms in which the students spend the greatest proportion of their school time make up the majority of the learning spaces, however.

It has been noted that the classic prototype of the American school building, and truly the acorn from which the oak has grown, was the 'little red schoolhouse.' Certain common patterns were followed in the development of school buildings with more than one room. The two-, three-, and four-room buildings were generally single story, with the four-room building usually square with a center hall and a room in each corner of the square.

The breaking away from the learning situation where the chief virtue of the pupil was to sit still and keep quiet and the teacher was taskmaster to a new pattern in which the children were encouraged to be active finally forced the abandonment of the standard classroom with its fixed seating. Classrooms having nearly 50 percent more floor space with movable equipment replacing the screwed-down desk became popular.

The school building planners face an exceedingly difficult problem in the existing uncertainty regarding the future course of developments in secondary school programs. In fact, this is probably the greatest single problem in the school facilities field at the present time. Somehow, secondary school buildings must be designed to accommodate today's curriculum and yet be sufficiently flexible so that they do not retard the development of new, but not yet foreseeable, programs in the future.

II.

The problem of determining the operating capacity of secondary-school buildings has long been one confronting the specialist in the school-plant field as well as the school administrator. How many pupils a given secondary-school building will house is a frequent question to be asked.

The Classroom Utilization Program compares the utilization of physical facilities of secondary schools employing traditional scheduling and modular-flexible scheduling of pupil course offerings.

The purpose of the Program is to demonstrate the effort of scheduling procedures on the utilization of the school plant. The analysis is based upon both the traditional schedule and the computer-printed, modular-flexible schedule. The data necessary for inclusion in the analysis are enrollment, room numbers, square feet in each room, school-defined or actual student capacity, and room type for each room in the building.

The Utilization Program makes possible the classification of the rooms to be included in the procedure into fourteen room types for the purpose of making comparisons:

1. The actual or school-defined number of square feet compared with the standard of architect-defined number of square feet per student station for each room in each facility.
2. The actual or school-defined number of student stations compared with the standard or architect-defined number of student stations for each room.
3. Pupil-station utilization as school-defined or actual compared with the standard. This comparison is made by room type for both the traditional and modular-flexible schedule.
4. The actual teacher-station utilization or occupancy compared with the standard. This comparison is made for both the traditional schedule and the modular-flexible schedule.

III.

It is the purpose of this section to present the methods and procedures used to collect, assemble, and present the information received from schools wishing to use the Utilization Program.

The detailed data essential to a study of classroom utilization include the enrollment, room numbers, square feet in each room, school-defined or actual capacity, and room type for each room in the building. This information must be recorded for each room for each period of the day, each day of the week. Data concerning the number of pupil stations in each room, room type, and the area of the room can be secured from office records where possible. In other cases the room dimensions must be taken from the blueprints or obtained from the principal or his assistant. Data for every room utilized for instructional purposes, laboratories, resource centers, study areas, and commons must be collected.

The classification of the rooms to be included in the analysis may be divided into fourteen different types. The room types as they are classified are as follows:

1. Academic Classroom
2. Art
3. Auditorium
4. Business and Typing
5. Cafeteria and Commons
6. Foreign Language Lab
7. Home Economics
8. Industrial Arts
9. Library
10. Music
11. Physical Education
12. Resource Center
13. Science
14. Special Education

The standard number of pupil stations in each room of each school is calculated by using a standard provided by the National Council on School House Construction. The types of rooms and square feet per pupil station are as follows:

	Square feet per student
Academic Classroom	25
Art	40
Auditorium	10
Business and Typing	32
Cafeteria and Commons	15
Foreign Language Lab	32
Home Economics	
a. Clothing	30
b. Food	40
Industrial Arts	
a. Shops	80
b. Drafting	40
Library	25
Music	
a. Vocal	16
b. Instrumental	22
Physical Education	100
Resource Center	30
Science	40
Special Education	40

The data available from the collection forms are keypunched and verified onto data processing cards at a Computer Center. These cards are grouped by the type of schedule the data represented and by school. The tabulations and the analyses presented in this report are based upon the availability of an IBM 360 Computer.

The formulas used to compute the utilization percentages were a revision of those developed by Morphet (1927) and used in the Classroom Utilization Program by the Iowa Educational Information Center. Further revisions were made to the formulas to include a calculation of the percentage of occupancy. The formulas as they were applied are shown in Figure 1 and 2.

Utilization formulas

I. To compute room utilization by period:

$$A_{ij} = \frac{\sum_{k=1}^{m} P_{ijk}}{a_i} \qquad S_{ij} = \frac{\sum_{k=1}^{m} P_{ijk}}{s_i}$$

II. To compute room utilization for week:

$$A_i = \frac{\sum_{j=1}^{m} \sum_{k=1}^{m} P_{ijk}}{ma_i} \qquad S_i = \frac{\sum_{j=1}^{m} \sum_{k=1}^{m} P_{ijk}}{ms_i}$$

III. To compute building utilization by period:

$$A_j = \frac{\sum_{i=1}^{r} \sum_{k=1}^{m} P_{ijk}}{\sum_{i=1}^{r} a_i} \qquad S_j = \frac{\sum_{i=1}^{r} \sum_{k=1}^{m} P_{ijk}}{\sum_{i=1}^{r} s_i}$$

IV. To compute building utilization for week:

$$A = \frac{\sum_{i=1}^{r} \sum_{j=1}^{m} \sum_{k=1}^{m} P_{ijk}}{m \sum_{i=1}^{r} a_i} \qquad S = \frac{\sum_{i=1}^{r} \sum_{j=1}^{m} \sum_{k=1}^{m} P_{ijk}}{m \sum_{i=1}^{r} s_i}$$

Note: These results converted to percentages by multiplying by 100.

A = Utilization based on actual capacity
S = Utilization based on standard capacity
P = Number of students
a = Actual number of pupil stations
s = Standard (or maximum) number of pupil stations
m = Number of days in school week
n = Number of periods in school day
r = Number of rooms in school
i = Any room
j = Any period
k = Any day

Figure 1

Occupancy formulas

I. To compute occupancy for each room:

$$O_i = \sum_{j=1}^{m_i} m_j d_j \qquad A = \frac{i=1 \quad j=1 \quad k=1}{r}$$

II. To compute occupancy for all rooms:

$$O = \frac{\sum_{i=1}^{r} \sum_{j=1}^{m_i} m_j d_j}{rMD}$$

O = Occupancy
M = Mods per day for school
D = Days per cycle for school
m = Number of mods per meeting for a section
d = Number of meetings per cycle for a section
j = Any course or section
n = Number of courses (sections) meeting in a room
i = Any room
r = Number of rooms

These formulas are a revision to the second job step of the Classroom Utilization Program, adding a table for occupancy as a percentage of total periods for each room. The occupancy is the number of mods anyone is in a room divided by the total mods in the cycle (and multiplied by 100 to convert the answer to a percentage).

Figure 2

IV.

Based on the comparisons presented in Section II, the Classroom Utilization Program offers to the school a computer-printed series of reports. The reports rely on the utilization of the school-generated master schedule and the information supplied by the school concerning the physical plant. They consist of the following:

1. The proportion in any building of rooms that are utilized for class purposes depends partly on the size of the rooms and partly on the educational program of the school.
2. The schools studied are or are not able to increase the average number of courses taken by each student while maintaining a stable enrollment or increasing the enrollment in the school and not increasing the percentage of student-station utilization.
3. An increase in the percentage of student-structured time influences the percentage of student-station utilization for the same enrollment and same square footage allowed for each student.
4. Percentages of room occupancy for any type of room may be greatly influenced by certain factors such as: the degree to which the building is adjusted to the educational program, whether rooms and equipment are used for purposes other than those for which they were primarily constructed, and efficiency of schedule-making.
5. The student-station utilization may be decreased for all schools studied after employing the modular-flexible schedule.
6. Even if schools are specifically designed for flexible scheduling, the various measures of utilization generally available do not indicate as substantial a utilization of space as would such measures for buildings designed for, and using, traditional schedules.
7. Measures of utilization more appropriate for flexibly-scheduled programs can be developed if space utilization is going to continue to be applied as an assessment of the efficient use of space. The essential problem in the use of the measures included in this report is their emphasis on efficiency, perhaps at the expense of effectiveness.
8. Applying current measures of utilization, this program does not suggest that there is any great loss in efficient utilization of space when a school utilizes a traditional or a flexible schedule, particularly in view of the expanded opportunities for broader academic experiences generated by the flexible program.

V.

For the purpose of this report the following definitions were used:

1. Traditional Schedule: This is an organization for instruction which contains from five to seven periods per day with nearly all classes meeting in the same sized groups for equal lengths of time and for an equal number of meetings.

2. Flexible Schedule: A flexible schedule organizes the school day into modules ranging in length from 10-30 minutes and combining these modules according to teacher request in different curricular areas. The flexible schedule calls for classes of varying size, frequency, and length.

3. Flexible Curriculum: A flexible curriculum is one in which staff utilization practices permit large-group and small-group instruction, independent study, laboratory instruction, and flexible scheduling.

4. Large-Group Instruction: Large-group instruction involves a large number of students (50 or more), and it places primary emphasis on presenting material with a minimum of interaction.

5. Small-Group Instruction: This is a method of instruction where teachers and small groups of five to fifteen students discuss concepts, ask questions, and relate study materials presented in large-group instruction.

6. Independent Study: This is defined as instruction where the student engages in activities independent of other students and in a large part independent of immediate teacher direction.

7. Room Utilization or Occupancy: This is the use of any instructional room for pupil meetings at any time during the regular school day. Room utilization is not concerned with the number of pupils in the room, but with whether the room is actually used for class, study, or other pupil activity.

8. Instructional Rooms: This is interpreted to include the gymnasium, auditorium, and cafeteria, as well as all of the regular or special class or conference rooms:

9. Pupil Station: This is any seat, machine, space at a table, or proportion of space on a floor (for example, the gymnasium) that may be utilized by a pupil for any period or part of a period.

10. Pupil-Station Utilization: This is the relation of the actual number of pupil stations used to the number available for use. It is concerned with the relation of the number of pupils in a room to the number of seats in the room.

11. Maximum Pupil Stations – School Defined: This is the maximum number of pupil stations the school has stated is practical for any room or type of room.

12. Maximum Pupil Stations – Architect Defined: This maximum number is obtained by dividing the number of square feet in the room by the minimum number of square feet considered acceptable by an architect for each pupil station in that type of subject area in that type of room.

13. Cycle: This is the number of days until the schedule repeats itself, not to exceed ten days.

14. Innovation: This is defined as any new practice, which is intended to facilitate improvement of the educational program.

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STUDENT USE OF UNSCHEDULED TIME

Management Information System

A plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system.

V

IOWA EDUCATIONAL INFORMATION CENTER

STUDENT USE OF UNSCHEDULED TIME
FOR THE
MANAGEMENT INFORMATION SYSTEM

Co-Investigators: Dr. Walter J. Foley
Dr. Gordon G. Harr

The IEIC Management Information System represents a plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system.

This project is supported by the U.S. Office of Education, Bureau of Research, under Title IV of The Elementary and Secondary Education Act. The research is planned and carried out under Contract Number OEC-0-9-099011-4395(010).

IOWA EDUCATIONAL INFORMATION CENTER
The University of Iowa
Iowa City, Iowa
February 1971

MANAGEMENT INFORMATION SYSTEM

Student Use of Unscheduled Time

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STUDENT USE OF UNSCHEDULED TIME

Introduction

Throughout most of the twentieth century, American secondary education has been characterized by a schedule of classes that has generally been composed of six, seven, or eight periods per day–classes meeting every day and lasting for forty, fifty, or fifty-five minutes each time. Each period of the day lasted for the same length of time for all classes regardless of the type of material or instruction involved. From the standpoint of scheduling practices, a student was assigned to a single period of the day for each subject and was expected to meet that class each day of the week for the entire semester or school year. For those periods of the day that the student was not in class, he was assigned to a study hall that was supervised and structured much as any class would have been.

Since mid-century, variations of the traditional schedule have been attempted by many school administrators in an effort to more nearly meet the needs of the individual student. The acknowledgement of the differences among students exerted enough demand upon the schedule-makers to attempt changing the equal-time arrangement for all subjects. They have introduced variability and flexibility into the master schedule and have expanded upon and are continuing to offer new patterns of scheduling for individual differences.

A dissatisfaction with standardized learning through standardized and equal-time meeting patterns led many educators to manipulate their master schedule in such a manner so as to take on a new and different appearance. Their first move was to shorten periods to allow for an occasional assembly program. Flexibility was thus obtained and led to the realization that instruction could be varied and still be effective.

The question arose whether some kinds of subjects could be better taught in large blocks of time and others in shorter and more frequent time periods. Another pertinent question was whether some kinds of instruction could be better taught with large numbers of students and other kinds of instruction with relatively small numbers of students.

Through the work of Trump, Manlove, Beggs, Bush, and Allen, the innovation of greater flexibility in secondary school schedules was conceived.

Trump's work for the National Association of Secondary School Principals proposed that schools need greater flexibility, more use of technology, and better use of school funds. A part of the proposed package was a basic curriculum for all and depth content for some. Students need study skills, individual responsibility, inquiring minds, discussion skills, satisfaction in learning, and talent for effectual human relations. Within the educational framework, the teachers need greater opportunity to use their professional skills and a place to perform their professional work.

In association with Baynham, Trump postulated that the school of the future would expand educational opportunities through the utilization of large group instruction, small group discussion, and independent study. The use of teacher assistants, clerks, and aides would allow teachers to become full professionals in teaching. Teachers could be organized into teams that would provide opportunities to capitalize on special competencies in carrying out specific tasks in the instructional program of the school.

Bush and Allen added a fourth basic type of instruction into their phasing of a program–that of laboratory instruction. Like most developers of flexible scheduling programs they felt that each subject in the school was unique and that there should be a means allowing for the best method of teaching the particular course.

Students and teachers comprise the primary resources of a school; however, these two resources also share the greatest differences within their respective groups. On any teaching staff, some teachers are more competent in teaching a particular unit than are others; some teachers can lecture for forty minutes to a large group, while others cannot lecture at all regardless of the size of the group; some teachers are more capable in working with a small group of students than are others; and some should never work with small groups. Students can learn much about a given subject with little or no in-class contact with a teacher in a conventional classroom environment. Others need considerable contact in which to learn.

As the concept of a flexible program began to evolve, the need arose for varying the rate, depth, and breadth of instructional opportunity for each student according to his own needs and capabilities; for giving teachers the opportunity to perform those functions in the teaching process they can do best; for altering the size of the class so that students would sometimes be in large groups, sometimes in small groups, and sometimes in independent study; and for assigning time to subjects according to their requirements for mastery.

The flexible modular schedule took shape by first organizing the school day into shorter periods termed modules. The grouping of modules enabled the creation of longer meeting times for those classes requiring longer meeting times, or leaving a single module standing alone for classes needing a relatively short period of time. The large group phase of instruction would accommodate as many students as available space would permit. Small group discussions would more nearly approximate the advantages of group instruction and build greater student involvement in the learning process. Trump suggested that independent study would consume approximately 40 percent of the student's time, the result being that the weekly total of class time in each subject was reduced to allow for more independent study and research.

In order to capitalize on the advantages of phasing instruction to fit the model developed and espoused by Trump, a great deal of time was required to build a master schedule to accommodate the many variables. Computers were being used to load students' course requests into the manually constructed master schedule in such programs as SHARE, NEEDS, and UPDATE. The flexible modular concepts could be used only to the extent that the school administrator could construct such a master schedule.

The need for a computerized program with a great quantity of storage capacity to construct a master schedule was evident. The Stanford School Scheduling System was developed at Stanford University as a program that constructs the master schedule by computer rather than manually by the school administrator. The major responsibility for the development of the Stanford School Scheduling System was in the hands of Robert N. Bush and Dwight W. Allen of the School of Education and Robert V. Oakford of the Industrial Engineering faculty.

The Stanford School Scheduling System involves several steps in order to provide final schedules for students, teachers, and rooms, but provides an excellent application of flexible modular scheduling concepts. Each course can be divided into as many as five phases, each phase being described with different meeting patterns, section sizes, number of teachers and rooms, and various other restrictions.

The Stanford School Scheduling System was first used in 1963 by four west coast schools: (1) Homestead High School, Sunnyvale, California; (2) Lincoln High School, Stockton, California; (3) Marshall High School, Portland, Oregon; and (4) Virgin Valley High School, Clark County, Nevada. Since 1963, the Stanford School Scheduling System program has spread in use throughout the United States and has been the central factor in many research studies, including the Management Information System program being conducted at the Iowa Educational Information Center at The University of Iowa.

In an effort to individualize the instruction, a restructuring of time patterns has been viewed as a more efficient means of accomplishing the goal of individualization. With the restructuring of meeting pattern times and the phasing of instructional organization into large-group instruction, small-group discussion, and independent study, a greater part of the responsibility for learning is placed on the student.

The techniques of large-group instruction and small-group discussion can be controlled largely by the teacher or instructional leader. The independent study phase, however, is almost completely the responsibility of the student. He must schedule his time and activities according to his individual schedule.

With the student's possession of the additional time allowed for independent study, the necessity for student self-direction is paramount. He is confronted with varied opportunities for independent study and with several designated areas in which to perform the study. Also, the student has the freedom not to study at all, even though school policy may dictate that all students be in some resource area in the school during the time that they are not class-scheduled.

Where a student spends his independent study time and how he manages that time takes on a new and meaningful dimension in the school that employs the flexible modular schedule.

Need for the Study

The growing popularity and use of the flexible modular schedule in secondary schools has raised many questions among administrators planning for such an innovation in their particular schools. One of the most frequently asked questions has been: "What will the students do when they are not in class?" Further concerns are: What types of resources must be made available for the students' use during their independent study time? Should the students have a student lounge or student commons area? Would students take unfair advantage of a student lounge or student commons area?

Administrators are faced with many concerns about the students' use of time before moving into a flexible modular schedule. It is hoped that the information gathered from this study may serve as a guide to administrators considering a flexible modular schedule for their school.

Methods and Procedures

The study was designed to determine where students spend their unscheduled time and how they utilize that time while enrolled in a school which employs a computer-generated flexible modular schedule. The following elements were described:

1. Where students of each sex and grade level spent their time while not in a scheduled class.
2. The kinds of activities in which students of each sex and grade level were engaged during their unscheduled time.
3. The type of resources-not currently available-the students would have liked to use if given the opportunity.

The students' unscheduled-time data were collected during what was considered a "typical" time for students. It followed mid-term reports and was placed far enough from holidays and special events to be as typical a time as possible during the school year. The school used for the collection of the data was chosen for the following reasons:

1. It was beginning its third year in a computer-generated flexible modular program.
2. It has a wide assortment of resources for which students have access.
3. It is a senior high school including grades ten through twelve with a sizable enrollment (over 1600 students) thus providing many opportunities for elective courses.
4. The administration of the school was interested in gathering information about the students' use of their unscheduled time.

In an effort to secure the most accurate data as possible for the entire school, the decision was made to gather unscheduled-time information from all students for every module of the six-day cycle in order to provide actual data rather than estimates from sample data.

Each student received an "Unscheduled Time Survey" form (Appendix A) on which he indicated where he spent each unscheduled module and in what type of activity he was engaged for each of six days in the scheduling cycle.* For those modules when he was in a scheduled class, an "X" was indicated, since scheduled time was not being considered. The student also indicated grade level and sex on the survey form.

The resources and activities available to the students were listed and coded on the "Unscheduled Time Survey" forms in order to simplify use by the students. The students were also asked to indicate, on the reverse side of the form, any type of resource area they would have liked to use, had the resource been available for the students' use.

During the six days of data collection, the investigator was present in the school and performed spot-check head counts in various resource areas for selected modules throughout the cycles. The head counts were compared with actual counts as provided by the students as a check of validity of the student-provided data.

Treatment of the Data

The data made available from the student-completed "Unscheduled Time Survey" forms were keypunched onto IBM data processing cards. These cards were then tabulated and the analyses computed using the IBM 360 computer.

The Student Unscheduled Time Survey Program used to compute the data was developed specifically for this study by the investigator and was utilized to accomplish several analyses.

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*A description of each resource location and each available activity is listed in Appendix B.

The data were reported by grade level and by the total school for each resource location. For each resource location an analysis was made for each of the activities, indicating their frequency within that resource. For each activity the tally of the total mods for which males were engaged was listed, and its percent of the total male-mods of all activities in that resource calculated. A similar tally and calculation were completed for females and for the total of all students.

A tally of the number of different male students engaging in each activity within the resource was listed. The number of males in each activity was then divided into the tally of male-mods for that activity to ascertain the average number of mods per male in each activity within each resource. The same calculation was made for females and for all students. Totals were likewise listed and calculated for each resource for each grade level and the total school.

The same information was computed for the sum of all resources by grade level and the total school.

Calculations were made showing both the distribution of student use of each resource without regard to the various activities and the grand total of all resources and all activities for each grade level and the total school.

A separate program was utilized to tally the number of students present in each resource location for every module of each of the six days in the schedule cycle.

The spot-check head count conducted by the investigator was compared with the computed tally for an indication of the validity of the student-reported data.

Findings

The findings of this study appeared to the investigator to warrant the following conclusions regarding where the students spent their unscheduled time and how they utilized that time while attending a school that employs a flexible modular scheduling program:

1. Upperclass students spent a greater percentage of their time in the library "studying" than did the underclass students; conversely, underclass students spent far more time in the cafeteria "rapping with friends" than the upperclass students.

2. Female students used the unsupervised cafeteria during unscheduled time much more than the males; contrarily, the males spent a greater portion of their time in the library.

3. Nearly three-fourths of the students responding spent over two and one-half modules per day in the cafeteria–the equivalent of thirty-seven minutes. Likewise, approximately the same number of students spent over three modules in the library each day–nearly forty-eight minutes.

4. Male students in each grade spent a greater amount of time in each resource they attended than did the females. The conclusion is made that the females were "on the move" to different resource areas more often than were the males.

5. The library and specialized resource centers were frequented by large numbers of students engaged in the type of activities for which such resources were designed. A single exception was the foreign language resource center which, with regard to its intended purpose, was relatively wasted. This may point out the need for better supervision by professional or para-professional personnel in this resource and others similar to it.

6. The math resource center was observed as accomplishing its intended purpose to a greater degree than any of the other specialized resource areas.

7. Many resources, although well utilized for their intended purposes, also served as refuges for activities normally associated with the cafeteria, commons area, and other "talk" locations.

8. Rather sizable numbers of students, when given the opportunity to use their unscheduled time as they saw fit, were found to spend a great amount of time engaged in activities that were not directly related to academic learning activities. The possible disadvantage of that situation was outweighed, however, when many more students who possessed the same opportunity pursued activities in locations that would likely not have been available without the flexible modular program in effect.

9. When students were allowed some time and a place to "get away" from the constant pressure of attending class and studying or working toward a class assignment, they generally proved to act responsibly and did not tend to take unfair advantage of the opportunity given them.

10. A large number of students in all grades and of both sexes spent a spent a sizable amount of their unscheduled time engaged in study activities and in resources generally considered study type resources, even though many other opportunities for activities besides study existed.

Conclusions

Based upon the findings of this study and the observations of the investigator, the following conclusions have been considered significant to the concept of the utilization of students' unscheduled time:

1. Students generally appeared well-behaved and serious about their endeavors. A minimum amount of "horseplay" was observed, and vandalism was not in evidence.

2. The few students with whom the investigator spoke indicated pleasure with the flexible modular program and indicated that they would not want to revert back to the conventional program.

3. The commons area, being an open space within the building and having no chairs, created some rather serious concerns. The students using this area indicated that they spent 20.4% of their time "sitting", and, with the absence of chairs, such activity necessitated the use of the floor for "sitting". During the six days of the survey 182 students spent an average of 2.02 mods per day "sitting" in this area for the equivalent of half an hour per day.

4. Raw numbers indicated that a small percentage of students used the Counseling Center and that each spent 1.85 mods there. When adjusted to reflect the percent of return, however, the average number of students in the Counseling Center during any mod was 4.99–or one more student at any time than there were counselors.

5. The unsupervised areas reserved for relatively "quiet" activity did not measure up with regard to their intended purpose. The conclusion is drawn that students will generally frequent the unsupervised areas for reasons other than for the intent of the resource.

6. The investigator was not alarmed by the seemingly large numbers of students in the cafeteria each mod (better that the students be there than creating a disruption elsewhere). The cafeteria does offer the best opportunity for the corps of counselors to identify students who may be spending excessive amounts of time in non-study activities and try to direct them accordingly. The investigator felt that the underclass students needed more direction than they were receiving, and that a greater attempt should be made to reach that group of students.

7. Nearly half of the students, when given the opportunity to use their unscheduled time as they saw fit, were found to spend a great amount of time engaged in activities that were not directly related to academic learning activities. The possible disadvantage of that situation was outweighed, however, when many more students who possessed the same opportunity pursued activities in locations that would likely not have been available without the flexible modular program in effect.

8. Although administrative problems do, in fact, exist in a program which allows students to determine for themselves how they want to utilize approximately forty percent of their time, the advantages offered in such a situation are much greater than the disadvantages. The investigator feels that if students are to make satisfactory choices of their time when they are not in school, they should have the opportunity to make similar choices while still in school.

9. The investigator feels, finally, that students need the chance to make mistakes, and that the school offers the best place for them to be made because of the trained personnel present who can assist the student in correcting his errors. When a student leaves school, either via withdrawal or graduation, the school no longer has an opportunity to be of direct benefit to that individual.

APPENDIX A

UNSCHEDULED TIME SURVEY

In the spaces provided below please indicate, by codes, where you were (Loc) and in what activity (Act) you were engaged for each mod of each day of the cycle. When you were in a scheduled class place an "X" in the Loc space for that mod of that day. Use the codes listed for completing all unscheduled mods. If a location in the school or an activity that you used is not coded, list that mod as "Other" and specify briefly in the space provided for that mod where you were and what you did. If you were absent, leave those mods BLANK for which you were NOT in school.

LOCATIONS

1. Administration Offices
2. Counseling Center
3. Nurse's Office
4. Teacher's Office
5. Library
6. Large Group Area
7. Foreign Language Resource Center
8. Language Arts Resource Center
9. Math Resource Center
10. Social Studies Resource Center
11. Reading Lab
12. Science Labs
13. Distributive Education Room
14. Speech Room (156)
15. Band Room
16. Strings Room
17. Vocal Music Room
18. Art Area
19. Business Education Area
20. Home Economics Area
21. Agriculture Room
22. Auto Mechanics Room
23. Electronics Room
24. Mechanical Drawing Room
25. Metals Room
26. Woods Room
27. Driv-O-Trainer
28. Open Lab Gymnasium
29. Open Room
30. Cafeteria
31. Commons Area
32. Hallway
33. Rest Room
34. Other (explain)

ACTIVITIES

A. Conference with Administrator
B. Conference with Counselor
C. Conference with Teacher
D. Eating (Breakfast)
E. Illness
F. Independent Study Project
G. Leisure Reading
H. Open Lab
J. Practicing
K. Rapping with Friends
L. School Activity (committee, etc.)
M. Sitting
N. Solving Math Problems
P. TV Viewing
R. Using Resource Materials
S. Writing
T. Other Class Assignments
U. Other Activity (explain)
V. Excused From School (dentist, etc.)
W. Studying

Check Correct Classification:

_____ (1) 10th Male
_____ (2) 10th Female
_____ (3) 11th Male
_____ (4) 11th Female
_____ (5) 12th Male
_____ (6) 12th Female

Time	Mod	Day 1		Day 2		Day 3		Day 4		Day 5		Day 6	
		Loc	Act	Loc	Act	Loc	Act	Loc	Act	Loc	Act	Loc	Act
8:30-8:45	1												
8:45-9:00	2												
9:00-9:15	3												
9:15-9:30	4												
9:30-9:45	5												
9:45-10:00	6												
10:00-10:15	7												
10:15-10:30	8												
10:30-10:45	9												
10:45-11:00	10												
11:00-11:15	11												
11:15-11:30	12												
11:30-11:45	13												
11:45-12:00	14												
12:00-12:15	15												
12:15-12:30	16												
12:30-12:45	17												
12:45-1:00	18												
1:00-1:15	19												
1:15-1:30	20												
1:30-1:45	21												
1:45-2:00	22												
2:00-2:15	23												
2:15-2:30	24												
2:30-2:45	25												
2:45-3:00	26												

Please indicate on the back side those activities that you would have liked to use if they had been available to you.

APPENDIX B

The resources available to the students were listed and coded on the "Unscheduled-Time Survey" forms in order to simplify use by the students. The resources were as follows:

1. Administrative Offices: located near the main entrance and on the main thoroughfare to the nerve center of the school. The administrative offices consisted of the principal's and associate principal's offices, a large conference room, and the central office.

2. Counseling Center: located near the administrative offices and consisting of six private counseling offices, a reception-information area, and a combination records and conference room.

3. Nurse's Office: adjacent to the central office. It consisted of an office for the nurse, an examination room, and an area for reclining.

4. Teachers' Offices: scattered throughout the building, these included teachers' desks with small space for individual student conferences. Many offices were shared by teachers from within the same department.

5. Library: located near the main entrance and near the center of the building, it provided seating for 150 students. Several study carrels were provided for students wanting to study independently.

6. Large-Group Area: located on the second floor and available for student study when not in use as a large-group classroom. Students could engage in quiet independent study or in small-group independent study.

7. Foreign Languages Resource Center: located in Room 150 and available for student use every module of the cycle. The resource center provided materials and equipment appropriate for individual study and enrichment. A Foreign Language Laboratory was included in this center.

8. Language Arts Resource Center: housed in Room 140 and serving as the departmental center of resources and materials for the language arts. Teachers or para-professional staff were available at all times to assist students.

9. Mathematics Resource Center: located in Room 220, it provided space for independent study and research for the Mathematics Department at all times during the cycle. Teachers and para-professionals were assigned to provide aid to students during all modules.

10. Social Studies Resource Center: occupied Room 211 as the departmental center for all of the social studies. It was open for individual study for all modules of the cycle and was manned by teachers and para-professionals throughout the cycle.

11. Reading Lab: provided individual study space for students every module of the cycle. Materials and equipment were available to students in a supervised atmosphere.

12. Science Labs: included laboratories for the areas of biology, physics, and chemistry. The biology area consisted of two suites of two laboratories each, connected by a preparation room and adjoined by a greenhouse. Resource area and individual research and experimentation space was readily available.

    The physics laboratory comprised two highly flexible classrooms equipped with math-top desks, and movable lab tables with easy access to air pressure, gas and water. A resource center, preparation room, and a darkroom were adjacent and available for individual experimentation.

    The chemistry facilities included two laboratory classrooms connected by an office-preparation area. Adjacent to the office-workroom area was a large chemical and laboratory-apparatus storage room.

13. Distributive Education Room: located in Room 114 and consisting of displays and visual merchandising techniques, the room was sectioned into learning areas for various phases of merchandising and available at any time the students were not in a scheduled class.

14. Speech Room: Room 156 was divided with a folding wall permitting dual use. A resource center for students in speech was provided, along with three small conference rooms with visual control to be used for committees, debate, and rehearsal.

15. Band Room: available for rehearsal and practice of individuals or instrumental groups. Individual practice rooms were small enough to be efficient for individual practice.

16. Strings Room: allowed space for rehearsal of individuals or small-group ensembles in an acoustically treated atmosphere. A resource library was also provided.

17. Vocal Music Room: located in Room 111, with permanent risers making rehearsal more efficient. Practice rooms allowed students to work individually or in small groups. The area was carpeted and acoustically treated for more efficient use.

18. Art Area: comprised Rooms 139A for crafts, and 139B for art; the rooms were divided into individual work areas for drawing, ceramics, jewelry, and sculpturing. A student study center for individual research was located in each room.

19. Business Education Area: located in Rooms 135-138A. A cooperative office was equipped with an offset press and used for printing most of the necessary school forms. A dictation lab was available, and a bookkeeping lab had an adding machine on every student table. Any time that rooms were not being used by a scheduled class, they were available for individual student use.

20. Home Economics Area: involved a clothing laboratory equipped with fitting and construction facilities, interior design studies, foods laboratory designed for food preparation, and a family living center.

21. Agriculture Room: served as a part of the industrial arts area and provided a work area as well as resource area for agriculture.

22. Auto Mechanics Room: open for students to perform assignments and individual work at any time including when a class was in session in another part of the room.

23. Electronics Room: an open lab room with adequate materials and equipment for individual work.

24. Mechanical Drawing Room: served as both a classroom for instruction and individual work projects.

25. Metals Room: provided opportunity for independent work projects with adequate machinery and tools.

26. Woods Room: located within the industrial arts area, supplied with adequate machinery and equipment for large and small jobs alike.

All power tools and equipment for the industrial arts area were grouped together for safety and efficient operation.

27. Driv-O-Trainer: located in the east wing of the building, twelve units were available for students to use any time for their fourteen hours of simulator driving during the semester.

28. Open Lab Gymnasium: included stations for nearly all sports and activities. Through the use of curtains, the gymnasium could be divided into four areas. The balcony provided floor space for tumbling, basketball, volleyball, and gymnastics; adjacent to this were a wrestling facility and a physical education classroom. An underground area had been developed that contained a 110-yard running track with sufficient infield area for hurdling and jumping. A batting cage was used for baseball and golf practice and five archery stations were available.

29. Open Room: Any classroom not being used was available to students wanting to study individually or in small groups.

30. Cafeteria: allowed for the serving of breakfast and snacks until 10:45 a.m. each day. Lunch was served from 11:30 a.m. until 1:00 p.m. Music could be piped into the area which was used for study and relaxation throughout the day. It could also be used as an assembly area for a large group of students.

31. Commons Area: located near the main entrance, it served as a large gathering area and passing area throughout the day.

32. Hallway: any area used primarily for passing from one location to another.

33. Rest Room: located in several places throughout the building.

34. Other: any area used by the student not categorized by any other listed resource.

Several activities were listed for the students to indicate as their unscheduled-time activity. They were listed as follows:

A. Conference with Administrator: any meeting or conference involving an individual or a group of students with any administrator. This activity could take place in one of many locations.

B. Conference with Counselor: any meeting or conference involving an individual or group of students with a counselor. This activity could take place in many locations.

C. Conference with Teacher: any meeting or conference involving an individual or group of students with a teacher. This activity could take place in many locations.

D. Eating (Breakfast): since lunch is a scheduled activity, the distinction is made regarding the particular meal – should take place in the cafeteria.

E. Illness: any time that a student is not feeling well enough to engage in some other activity. Normally this activity would take place in the rest room or nurse's office.

F. Independent Study Project: any project in which the student is researching, experimenting, or studying that does not involve other students.

G. Leisure Reading: any reading being done by the student that is not a direct assignment or directly applicable to any course work. This activity could take place in nearly any location in the school.

H. Open Lab: any activity involving an individual or group of students and in which there is not direct teacher supervision. This activity can be done in science labs, a gymnasium, or any other facility where some type of materials or equipment is used in addition to books.

J. Practicing: any activity which is a repetitive type action such as music, or athletics, for which the student strives for improvement through repetition.

K. Rapping with Friends: talking with other students either individually or in a group, and for which the subject is not directly concerned with a study activity. Such activity could occur nearly any place.

L. School Activity: individual or group work, not a part of a course, but of an extra class nature. This activity could take place in any location of the school.

M. Sitting: the lack of activity, when a student actually is engaged in nothing. "Sitting" can take place in every location of the school.

N. Solving Math Problems: engaging in a solving function of a mathematical nature–can be for a class or some other activity.

P. TV Viewing: watching TV or taped presentation. This activity will likely be confined to the library area or special area set aside for such activity.

R. Using Resource Materials: the general activity of researching, reading, or engaging in work in one of the resource areas.

S. Writing: can take place in most locations of the school and can be specifically for a class assignment or personal writing.

T. Other Class Assignments: any assignment for a class not fitting into any other category. This activity could take place in many areas.

U. Other Activity: any activity which is neither a class assignment nor characterized by any other category. The student was asked to explain the type of activity so that it could be placed into another of the categories if the investigator deemed it as logical.

V. Excused From School: any time that the student was away from school for only a portion of the day. An example of this type activity would be for doctor or dental appointment, etc.

W. Studying: any type of studying done by the student that was not adequately described in any other activity.

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PUPIL TRACT AREA SURVEY...Second Edition

Management Information System

A plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system.

VI

IOWA EDUCATIONAL INFORMATION CENTER

A PUPIL TRACT AREA SURVEY FOR THE IEIC MANAGEMENT INFORMATION SYSTEM

Co-Investigators: Dr. Walter J. Foley
Dr. Gordon Harr

The IEIC Management Information System represents a plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system.

This project is supported by the U. S. Office of Education, Bureau of Research, under Title IV of The Elementary and Secondary Education Act. The research is planned and carried out under Contract Number OEC-0-9-099011-4395 (010).

IOWA EDUCATIONAL INFORMATION CENTER
The University of Iowa
Iowa City, Iowa
April, 1971

MANAGEMENT INFORMATION SYSTEM
Pupil Tract Area Survey
Second Edition

Prepared by
Kenneth G. Jensen

in cooperation with
Monte Kloberdanz, Public Relations Coordinator, IEIC

1. Are you a male or female?
   - A Male
   - B Female

2. How old were you on your last birthday?
   - A 14 or younger
   - B 15
   - C 16
   - D 17
   - E 18
   - F 19
   - G 20 or older

3. During this school year, about how many hours a week do you work for pay? Do not include chores done around the home.
   - A None
   - B About 1 to 5 hours
   - C About 6 to 10 hours
   - D About 11 to 15 hours
   - E About 16 to 20 hours
   - F About 21 hours or more

4. On an average school day, how much time do you spend studying outside of school hours?
   - A None or almost none
   - B About 1/2 hour a day
   - C About 1 hour a day
   - D About 1 1/2 hours a day
   - E About 2 hours a day
   - F About 3 hours a day
   - G Four or more hours a day

In your school, how active have you been in each of the following groups of activities this school year? Mark your answers to questions 5-12 as follows:
- A Very active (hold office, attend all meetings, hold major responsibility)
- B Fairly active (attend all meetings, participate in some major planning or activities)
- C Participate little (attend some meetings only)
- D Did not participate

5. Speech and dramatics (plays, debates, etc.)

6. Music (band, orchestra, choir, glee club)

7. Publications (yearbook, school newspaper, etc.)

8. Service clubs (FFA and FHA, FTA, etc.)

9. National Honor Society

10. Academic clubs (Latin, Science, Math, etc.; do not include required clubs formed within some language courses)

11. Hobby clubs or activities (photography, chess, etc.)

12. Social activities sponsored by the school (dances, parties, etc.)

Mark your answers to 13 and 14 as follows:

Boys
A Participate in one sport
B Participate in two sports
C Participate in three or more sports
D Do not participate

Girls
E Participate in one sport
F Participate in two sports
G Participate in three or more sports
H Do not participate

13. Interscholastic Athletics (for example, 9th grade football, varsity or sophomore basketball, track, swimming, gymnastics, golf, tennis, etc.)

14. Intramural Athletics (not scheduled physical education classes)

15. If something happened and you had to stop school now, how would you feel?
A Very happy, I'd like to quit
B I wouldn't care one way or the other
C I would be disappointed
D I'd try hard to continue
E I would do almost anything to stay in school

16. How good a student do you want to be in school?
A One of the best students in my class
B Above the middle of the class
C In the middle of the class
D Just good enough to get by
E I don't care

17. How close do you come to doing the best work you are able to do in school?
A Very close
B Quite close
C Somewhat close
D Not very close
E Not at all close

Use the following choices in answering questions 18 and 19.

- A Something less than high school graduation
- B High school graduation
- C After high school graduation, work for a company that will train me on the job or send me to school at their expense
- D Enter the military service after high school and get some training there
- E Attend a technical, trade, or business school which requires two years or less to complete
- F Attend a technical, trade, or business school which requires more than two years to complete
- G Attend some college but not graduate
- H Complete a junior college program
- I College graduation (Bachelor's Degree)
- J Something beyond a Bachelor's Degree such as a degree in law, medicine, dentistry, M.A. or Ph.D.

18. Suppose that the decision about your future education was entirely up to you, and you need only to consider your own abilities and interests. Which of the preceding statements best describes the highest level of education you could attain?

19. Realistically, considering not only your abilities and interests, but also your financial situation, your parents' expectations, your family responsibilities, and what you want to do after high school, what is the highest level of education you expect to attain?

20. What is the main reason for the difference, if there was a difference, between your answers to the preceding two questions?
    - A I gave the same answer to both questions
    - B My parents want me to continue my education even though I don't think I could succeed
    - C My family cannot afford to give me as much education as I could attain
    - D Family responsibilities and problems (other than financial problems) will force me to limit my education
    - E I would rather get married or go to work than go to the highest level I could attain
    - F I don't really want to continue beyond the level marked in the second question
    - G I expect to go into the armed forces

21. If you are a girl, answer this question. (Boys do not answer this question.) After you finish your schooling, what do you expect to do?
    - A Have a full-time career other than homemaker
    - B Have a full-time career for awhile, then combine homemaking with a career
    - C Have a full-time career for awhile, then a full-time homemaker
    - D Begin with and maintain both a career and homemaking
    - E Be a full-time homemaker

22. Which one of the following types of schools do you expect to attend when you finish high school?
    - A I don't expect to attend any school next year
    - B Business school (clerical, keypunch, stenographic, accounting, etc.)
    - C Apprenticeship training program (plumbing, electrical, carpentry, etc.)
    - D Registered Nursing less than a B.S. degree (not practical nursing)
    - E Trade School (such as auto mechanics, drafting, electrician)
    - F Technical School (such as electronics, engineering technology)
    - G Junior College (2 years) or Area Community College or Area Vocational School (2 years)
    - H College (4 years or more)

23. If you plan to continue your education when you finish high school, where do you expect to go to school?
    - A I do not expect to continue school beyond high school
    - B In my hometown or near enough so I can live at home
    - C In Iowa but away from home
    - D Outside of Iowa but in a Midwestern state
    - E In a Northeastern state
    - F In a Southeastern state
    - G In a Northwestern state
    - H In a Southwestern state
    - I Outside of the United States
    - J I do not know yet

24. Which of the following statements best describes your plan to finance your education or training beyond high school?
    - A All finances will be taken care of by parents, savings, or a trust fund
    - B I will have to apply for financial assistance in the form of a scholarship, grant, or loan
    - C I plan to work for the money
    - D Both B and C above
    - E I don't know at this time how I will finance my education or training
    - F I don't plan to continue my education or training beyond high school

Use this list to answer questions 25 through 28.

- A Art, drawing, and crafts
- B Business education
- C English (reading, speech, literature, rhetoric, etc.)
- D Foreign Language (French, Spanish, German, etc.)
- E Mathematics (arithmetic, algebra, geometry, etc.)
- F Music (band, chorus, etc.)
- G Physical education
- H Sciences (chemistry, biology, physics)
- I Social Studies (geography, history, civics, etc.)
- J Vocational subjects (home economics, industrial arts, agriculture, etc.)

25. Which one of the above groups of subjects do you like best?

26. Which one of the above of subjects is your second choice?

27. Which one of the above groups of subjects is your third choice?

28. Which one of the above groups of subjects do you like the least?

29. How do you feel about homework?
    - A Teachers give us too much
    - B I like the amount teachers presently give us
    - C Teachers give us too little

30. Do you have a car of your own (car which you actually own or one which is considered only yours to use)?

- A Yes
- B No

31. How often do you drive your parents' car?

- A Never
- B Once a week
- C Twice a week
- D Three times a week
- E Four times a week
- F Five or more times a week

32. When you finish your education, what sort of a job do you think you will have?

- A Technical–such as draftsman, surveyor, medical or dental technician, etc.
- B Official–such as manufacturer, officer in a large company, banker, government official or inspector, etc.
- C Manager–such as sales manager, store manager, office manager, factory supervisor, etc.
  Proprietor or owner–such as owner of a small business, wholesaler, retailer, restaurant owner, etc.
- D Semi-skilled worker–such as factory machine operator, bus or cab driver, meat cutter, etc.
  Clerical worker–such as bank teller, bookkeeper, salesclerk, office clerk, messenger, etc.
- E Service worker–such as barber, waiter, mail carrier, etc.
- F Salesman–such as real estate or insurance salesman, factory representative, etc.
- G Farm or ranch manager or owner
- H Workman or laborer–such as factory worker, filling station attendant, farm worker, etc.
- I Professional–such as accountant, artist, clergyman, dentist, doctor, engineer, lawyer, college professor, social worker, teacher, etc.
- J Skilled worker or foreman–such as baker, carpenter, electrician, mechanic, plumber, tailor, foreman in factory, etc.

Consider the following school activities. For each one, please indicate the one person in school who has given you the best help. Choose from the following:

- A Teacher
- B Counselor
- C Student
- D Principal
- E No one

33. Selecting your school subjects?

34. Planning ways to study better?

35. Planning for your future education after high school?

36. Planning your occupational career?

37. Learning more about yourself?

38. Getting along better with other people?

39. Learning about the school when you first came as a new student?

40. Learning how you scored on a standardized ability and achievement test?

41. Solving a personal problem?

42. Do you feel that you can get to see a guidance counselor when you want to or need to?
   A Yes
   B No

43. How many times did you talk to a guidance counselor this past year?
   A Never
   B Once
   C Two or three times
   D Four or five times
   E Six or more times

44. Do you feel that you can see your teachers when you want to or need to?
   A Yes
   B No

45. During unscheduled time when you asked teachers for help with course work, were you satisfied with the help you received?
   A Always satisfied
   B Usually satisfied
   C Seldom satisfied
   D Rarely satisfied
   E Never satisfied

46. During unscheduled time, how often do you have discussions with your friends about ideas that have come up in your classes?
   A Several times a day
   B About once a day
   C About once or twice a day
   D About once or twice a month
   E Never

47. Which of the following do you feel you most need to improve?
   A Discussion skills
   B Relating to teachers
   C Relating to other students
   D Use of library and resource centers
   E Maintaining interest in school work
   F None of the above

48. Which of the following do you feel you most need to improve?

A Speaking
B Listening
C Writing
D Mathematics
E Reading
F None of the above

49. Which of the following statements best describes your parents?

A They are married and living together
B My mother is not living
C My father is not living
D They are married but not living together
E They are divorced
F Neither of my parents is living
G I cannot answer this question

50. With whom are you now living; that is, who are the heads of the house in which you live?

A Mother and father
B Mother only
C Father only
D Sometimes with my mother, sometimes with my father
E Mother and stepfather
F Father and stepmother
G Grandparents, aunt, uncle, or cousins
H Brother or sister
I Foster parents (not relatives)
J None of the above

The following choices are to be used in answering questions 51 and 52 about the kind of work your father and mother do.

A Technical–such as draftsman, surveyor, medical or dental technician, etc.
B Official–such as manufacturer, officer in a large company, banker, government official or inspector, etc.
C Manager–such as sales manager, store manager, office manager, factory supervisor, etc.
D Semi-skilled worker–such as factory machine operator, bus or cab driver, meat cutter, etc.
Clerical worker–such as bank teller, bookkeeper, salesclerk, office clerk, messenger, etc.
E Service worker–such as barber, waiter, mail carrier, etc.
F Salesman–such as real estate or insurance salesman, factory representative, etc.
G Farm or ranch manager or owner
H Workman or laborer–such as factory worker, filling station attend, farm worker, etc.
I Professional–such as accountant, artist, clergyman, dentist, doctor, engineer, lawyer, college professor, social worker, teacher, etc.
J Skilled worker or foreman– such as baker, carpenter, electrician, mechanic, plumber, tailor, foreman in factory, etc.

51. Which of the above statements best describes your father's occupation? If your father is not living, or if he is retired, what was his occupation?

52. Which of the above statements best describes your mother's occupation? If your mother is not living, what was her occupation? (Respond to this item only if your mother is employed outside the home.)

Use the following choices in answering questions 53 and 54.

A None, or some grade school
B Completed grade school
C Some high school, but did not graduate
D Graduated from high school
E Technical or business school after high school
F Some college, but less than 2 years
G Some college, but less than 4 years
H Graduated from a 4-year college (B.A., B.S., etc.)
I Received the Master's Degree (M.A., M.S., usually 5 or 6 years of college)
J Received the Doctor's Degree (Ph.D., M.D., D.D.S., usually 7 or more years of college)

53. Which one of the above statements best describes the HIGHEST level of education which your father has attained? If your father is not living, what was the highest level he attained?

54. Which one of the above statements best describes the HIGHEST level of education which your mother has attained? If your mother is not living, what was the highest level she attained?

55. Which of the following statements best describes the way your parents feel about the homework your teachers give you?
A To my best knowledge, my parents don't have any feelings one way or another on the subject
B They feel the teachers give too much homework
C They feel the teachers give about the right amount of homework
D They feel teachers give too little homework

THANK YOU FOR YOUR TIME AND COOPERATION.

RESOURCE ALLOCATION

Management Information System

A plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system.

VII

IOWA EDUCATIONAL INFORMATION CENTER

RESOURCE ALLOCATION
FOR THE
MANAGEMENT INFORMATION SYSTEM

Co-Investigators: Dr. Walter J. Foley
Dr. Gordon G. Harr

The IEIC Management Information System represents a plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system.

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IOWA EDUCATIONAL INFORMATION CENTER
The University of Iowa
Iowa City, Iowa
June 1971

MANAGEMENT INFORMATION SYSTEM

Resource Allocation

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RESOURCE ALLOCATION

In any educational program several resources are put to simultaneous use in an effort to achieve some predetermined goal. The goal may be to create an atmosphere more conducive to student decision-making, or it may be only to facilitate the learning of basic skills. The many resources that are employed are done so in an effort to ultimately approach the achievement of the particular goal.

Through the years the educational programs of schools have been largely governed or modified by the configuration of three basic resources – facilities, staff and pupils. The shortage or abundance of facilities in relation to enrollment has often been the sole determinant of how a school's program has been managed. Likewise, the experience and training of staff members plays a determinant role in deciding how the curriculum will be offered. The basic type of student served by the educational program demands certain considerations, and thus becomes the third major resource in the resolution of the educational goals of the school.

The means by which the basic resources are allocated has generally been indicated by the school's master schedule, just as the master schedule of any school reflects the interwoven intricacies of an educational plan and the relation of that plan to the school's total curriculum. Schools with an extensive offering of elective courses will often utilize an altogether different type of master schedule than will the school with fewer, more basic courses. A curriculum involving wide offerings in skills courses, for instance, will likely make allowances for a differing type of instruction and for laboratory or practice time for those skills.

The master schedule is often the only tool available that can lend objective information regarding the potential attainment of those predetermined goals of the school, whatever they may be. The master schedule serves as the core to the operation and functioning of the school and translates what is desired to happen into what is actually happening. Regardless of the school's stated purposes and goals, the ultimate test of their attainment lies in their practical application through the master schedule.

I. Resources Used

Although many resources are constantly at work in the process of education, the broad categories of facilities, staff, and pupils have been identified as major resource program modifiers. All are necessary to effect the educational program, and all are dependent upon financial support in order to function within the parameters of the educational system.

The facilities resource is concerned primarily with the physical plant, but, more specifically, the manner in which that physical plant is utilized for purposes of instruction. Various rooms in the plant were designed for special purposes, whereas other rooms are for general use. The rooms may be of differing sizes and shapes and with different types of accommodations.

Facilities that are set aside for special purposes are able to accommodate a precalculated maximum number of pupils to be engaged in the specific activity for which that space is reserved. Based upon a standard defined by the National Council on School House Construction, the standard number of pupil stations available can be calculated from the dimensions of the facility. The utilization of each space can then be calculated from the enrollments into the classes using it.

General purpose spaces provide the greatest flexibility since they can be used for many types of activities. This type of facility, however, must be scheduled for use by nearly anyone at any time in order to achieve the maximum utilization possible.

The allocation of staff in the educational program presents an altogether different concern for the attempt to achieve the goals of the curriculum. Certain teachers on the staff may have distinct abilities that set them apart from the others. Some teachers for instance, may perform much better in lecturing to a large group of students, whereas others on the teaching staff may do a far better job in conducting small group class meetings. In many cases, a team of teachers is able to be much more effective than would an individual teacher. The combining of individual teacher's attributes therefore presents the opportunity for more effective teaching and the opportunity for greater learning on the part of the pupils. No longer is a single teacher responsible for a given number of pupils for each day of the school year. In addition to teaching activities the teacher's assignment may involve supervisory activities during unscheduled time in departmental resource centers or in individual student conferences. The teacher is provided an adequate amount of time to prepare for the classes assigned to teach.

The teacher, because of varying assignments, is often provided assistance in the form of teacher aides or paraprofessionals, who perform a part of the teacher's administrative duties, paper correction, and clerical needs. The teacher is offering expertise within particular subject areas. If the teacher is indeed assigned to several types of activities, an accounting of the allocation of time becomes of distinct value in measuring the success of the school's program.

The manner in which students' time is scheduled illustrates an effort to get at the very nature of the reasons for having an educational program. Their time is of utmost importance, since the students are the raw products that the educational process attempts to transform toward a finished product.

During the course of a student's day a part of the time is scheduled into structured classes, a part of the time may be allowed for study activity within a structured class, and a part of the time may be unscheduled to allow the student to pursue activities of his own choosing. For that portion of the students' time which is defined in the schedule, some types of courses require greater amounts of time than do others. For example, a course that requires the student to engage in laboratory-type work will often be more demanding than will the course that is basically lecture and/or discussion. Much of the preparation for discussion can be accomplished during the students' unscheduled time, whereas special purpose facilities may be required for laboratory work.

II. The Master Schedule

Management decisions should be made only after certain data have been collected and studied. A part of any school's management – or administration – is the construction and implementation of a master schedule as a tool for carrying out the educational program of that school.

Accountability for any educational program rests in the hands of the person or persons responsible for administering that program. Consequently, if a major means of testing the success of an educational plan does, in fact, lie in the school's master schedule, the accountability of the program ultimately rests with the schedule builder.

Through years of educational schedule building, the principal of the school has had the responsibility for putting together the various resources for a workable plan of action to be used throughout the academic year. Historically and expediently, the schedule has been characterized by standard meeting times for all classes, regardless of their needs. However, with the introduction of the computer to assist the school administrator, several innovations have been presented – among them the construction of a school's master schedule.

The Stanford School Scheduling System is a series of computer programs that will construct a master schedule for schools and embody many of the flexible aspects of scheduling that are looked upon as desirable in carrying out a school's educational plan.

In order to build the master schedule by computer, various inputs of data are necessary. Among them are teacher and room designations and meeting patterns for each phase of every course offered. Any special restrictions on either teachers, rooms, or courses must be defined early. Also required are the students' requests of courses for the ensuing semester or academic term.

After all inputs have been collected and assembled in the proper manner, the schedule construction can begin. Several attempts may be necessary to arrive at a satisfactory master schedule that approximates completion of the program desired by the school. With the completion of the computer-generated master schedule, manual changes can be made in order to accommodate particular peculiarities within certain areas of the school.

After all manual changes have been performed, the completed master schedule is then ready to be loaded with students' requested courses. The computer performs this function in rapid fashion. From the student assignment programs of the Stanford School Scheduling System, the student schedules, teacher schedules, and room schedules are produced. Also available are copies of the master schedule indicating each section's meeting pattern and time, teachers and rooms assigned, and the numbers of students assigned.

III. Data Provided by the Master Schedule

The master schedule is able to provide various additional data that can indicate allocations of staff, facilities, and students. With this data the administrator has the opportunity to make more intelligent management decisions that concern the operation of his school. A Resource Utilization Program, used in accordance with the Stanford School Scheduling System, serves as the reporting tool by which the resources have been allocated. The information provided in the entire Resource Utilization Program is derived from the final master schedule before manual changes to the students' schedules, if any, are made.

Control Information From Program

The "Basic School Data" refers to the overall parameters of the school's scheduling program. The numbers of teachers and rooms listed may reflect a certain amount of duplication, particularly if a false teacher or room was used in order to expedite the computer's original scheduling process. The use of such a technique is common when intentional teacher or room conflicts are tolerated and/or desired.

The use of teacher teams and room teams, although not too prevalent, often presents a situation that alters the scheduled density figures for both teachers and rooms. A team of teachers or a team of rooms assigned to a single section within the schedule will modify the student-teacher or student-room ratio. The number of teacher teams and room teams are indicated in order to signal their presence.

The "Total Availabilities for School" category lists, in minutes, the amount of aggregate time that is available for students, teachers, and rooms. Allowances have not been made for teachers or students that may be part time, or for the false teachers or rooms that may have been used merely to accommodate the scheduling of a single section. They have been treated as full time in each instance in which they are encountered.

The category entitled "Availability by Program Area," lists the number of aggregate available minutes for students, teachers, and rooms for each of the identified program areas. Each program area

PROGRESS CITY HIGH SCHOOL

MAY 1, 1971

RESOURCE UTILIZATION BY PROGRAM AREA

CONTROL INFORMATION FROM PROGRAM

BASIC SCHOOL DATA

MODS/DAY	26
DAYS/WEEK	6
MINS/MOD	15
STUDENTS	1717.
TEACHERS	132.
ROOMS	105.
MODS/LUNCH	2
TCHR TEAMS	77
ROOM TEAMS	8

TOTAL AVAILABILITIES FOR SCHOOL (IN MINUTES)

STUDENTS	3708720.
TEACHERS	308880.
ROOMS	245700.

AVAILABILITIES BY PROGRAM AREA (IN MINUTES)

Program Area	*Students*	*Teachers*	*Rooms*	*Program Area*	*Students*	*Teacher*	*Rooms*
LANG. ARTS	321705.	23265.	22950.	PHYS. ED.	285840.	9900.	6660.
FOREIGN LANG.	88005.	6975	6705	MUSIC INSTRU.	73665.	3315.	2295.
SOC. SCIENCE	267225.	17235.	16440.	MUSIC VOCAL	60660.	1110.	1110.
MATHEMATICS	189510.	10395.	9495.	DRIVER EDUC.	76545.	6675.	2175.
SCIENCE	248625.	10620.	10155.	TRADES & IND.	53295.	1875.	615.
BUS. EDUC.	113130.	6390.	6390.	COOP OFF. ED.	18000.	1080.	360.
HOME ECCON.	108750.	7155.	7155.	D.E. COOP	59460.	2040.	600.
ART	61290.	3240.	3240.	AG. OCCUP.	3645.	675.	135.
VOC. AGRIC.	19170.	1800.	1800.	WORK–STUDY	13950.	2460.	1020.
IND. ARTS	136845.	7365.	7365.	OTHER	77985.	2760.	900.

PROGRESS CITY HIGH SCHOOL

MAY 1, 1971

RESOURCE UTILIZATION BY PROGRAM AREA

PROGRAM AND SCHOOL SUMMARY INFORMATION

PROGRAM AREA	MEETING TIME TOT. MINS.	SECTIONS MEAN NO.	PUPILS		TEACHERS		ROOMS		TIME (BASED ON SCHOOL TOTALS)		
			NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	PUPILS	TEACHERS	ROOMS
LANG. ARTS	4035	200	1924	112.06	18	13.64	22	20.95	8.674	7.532	9.341
FOREIGN LANG.	3150	47	475	27.66	6	4.55	10	9.52	2.373	2.258	2.792
SOC. SCIENCE	2745	211	1473	85.79	17	12.88	21	20.00	7.205	5.580	6.691
MATHEMATICS	2160	76	971	56.55	8	6.06	9	8.57	5.110	3.365	3.864
SCIENCE	2550	65	993	57.83	9	6.82	10	9.52	6.704	3.438	4.133
BUS. EDUC.	3105	47	471	27.43	7	5.30	9	8.57	3.050	2.069	2.601
HOME ECON.	2160	66	601	35.00	6	4.55	11	10.48	2.932	2.316	2.912
ART	1350	12	227	13.22	3	2.27	2	1.90	1.653	1.049	1.319
VOC. AGRIC.	1560	12	83	4.83	2	1.52	2	1.90	0.517	0.583	0.733
IND. ARTS	3570	37	595	34.65	7	5.30	7	6.67	3.690	2.384	2.998
PHYS. ED.	1080	37	1588	92.49	7	5.30	5	4.76	7.707	3.205	2.711
MUSIC INSTRU.	2535	35	355	20.68	3	2.27	3	2.86	1.986	1.073	0.934
MUSIC VOCAL	1110	10	309	18.00	2	1.52	1	0.95	1.636	0.359	0.452
DRIVER EDUC.	495	105	486	28.31	5	3.79	3	2.86	2.064	2.161	0.885
TRADES & IND.	3120	10	71	4.14	3	2.27	1	0.95	1.437	0.607	0.250
COOP OFF. ED.	900	3	23	1.34	1	0.76	1	0.95	0.485	0.350	0.147
D.E. COOP	2040	4	63	3.67	2	1.52	1	0.95	1.603	0.660	0.244
AG. OCCUP.	675	2	7	0.41	2	1.52	1	0.95	0.098	0.219	0.855
WORK–STUDY	2460	8	60	3.49	4	3.03	2	1.90	0.376	0.796	0.415
OTHER	510	28	1715	99.88	29	21.97	3	2.86	2.103	0.894	0.366
SCHOOL SUMMARY	41310	1015	12490	727.43	113	85.61	80	76.19	61.404	40.899	43.779

PROGRESS CITY HIGH SCHOOL MAY 1, 1971

RESOURCE UTILIZATION BY PROGRAM AREA

PROGRAM AREA LONG. ARTS

		MEETING PATTERN/SEC				SECTIONS		PUPILS		TEACHER		ROOMS		TIME (BASED ON SCHOOL TOTALS)		
CRS NO.	COURSE-PHASE	PPM	MPW	TOT. MINS	% OF COURSE	NO.	MEAN SIZE	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	PUPILS	TEACHERS	ROOMS
3	PHASE 1	3	1	45	18.8	1	25	25	1.30	1	5.56	1	4.55	0.350	0.193	0.196
3	PHASE 2	3	3	135	56.3	2	15	31	1.61	1	5.56	2	9.09	1.301	1.161	1.176
3	PHASE 3	2	2	60	25.0	2	15	31	1.61	1	5.56	2	9.09	0.578	0.516	0.523
3	FU SPEECH			240		5		31	1.61	1	5.56	3	13.64	2.229	1.870	1.895
11	PHASE 1	2	1	30	11.1	1	15	15	0.78	1	5.56	1	4.55	0.140	0.129	0.131
11	PHASE 2	4	4	240	88.9	2	7	15	0.78	1	5.56	1	4.55	1.119	2.063	2.092
11	DRAMA W			270		3		15	0.78	1	5.56	2	9.09	1.259	2.192	2.222
15	DISC DEB	3	5	225	100.0	1	8	8	0.42	1	5.56	1	4.55	0.560	0.967	0.980
17	PHASE 1	2	1	30	20.0	1	26	26	1.35	1	5.56	1	4.55	0.242	0.129	0.131
17	PHASE 2	4	2	120	80.0	2	13	26	1.35	1	5.56	2	9.09	0.970	1.032	1.046
17	ORAL INT			150		3		26	1.35	1	5.56	3	13.64	1.212	1.161	1.176
21	READ LAB	3	2	90	100.0	19	17	328	17.05	1	5.56	1	4.55	9.176	7.350	7.451
24	PHASE 1	2	2	60	30.8	2	137	274	14.24	1	5.56	2	9.09	5.110	0.516	0.523
24	PHASE 2	3	3	135	69.2	23	12	285	14.81	3	16.67	4	18.18	11.960	13.346	13.529
24	RHETORIC			195		25		285	14.81	3	16.67	6	27.27	17.070	13.862	14.052
26	PHASE 1	2	1	30	12.5	1	117	117	6.08	4	22.22	1	4.55	1.091	0.516	0.131
26	PHASE 2	2	2	60	25.0	10	11	117	6.08	1	5.56	4	18.18	2.182	2.579	2.614
26	PHASE 3	2	5	150	62.5	10	11	117	6.08	3	16.67	4	18.18	5.455	6.447	6.536
26	ENGLISH 1			240		21		117	6.08	4	22.22	8	36.36	8.728	9.542	9.281
31	PHASE 1	3	1	45	25.0	16	11	180	9.36	2	11.11	1	4.55	2.518	3.095	3.137
31	PHASE 2	3	3	135	75.0	17	10	179	9.30	4	22.22	7	31.82	7.512	9.865	10.000
31	COMP			180		33		180	9.36	4	22.22	8	36.36	10.029	12.959	13.137
35	PHASE 1	2	1	30	18.2	1	91	91	4.73	1	5.56	1	4.55	0.849	0.129	0.131
35	PHASE 2	3	3	135	81.8	8	11	93	4.83	1	5.56	3	13.64	3.903	4.642	4.706
35	C WRIT			165		9		93	4.83	1	5.56	4	18.18	4.751	4.771	4.837
38	PHASE 1	2	1	30	14.3	1	88	88	4.57	2	11.11	1	4.55	0.821	0.258	0.131
38	PHASE 2	3	3	135	64.3	8	12	96	4.99	2	11.11	3	13.64	4.029	4.642	4.706
38	PHASE 3	3	1	45	21.4	8	12	96	4.99	2	11.11	4	18.18	1.343	1.547	1.569
38	CONV COMP			210		17		96	4.99	2	11.11	7	31.82	6.192	6.447	6.405
41	IND READ	4	3	180	100.0	3	8	24	1.25	1	5.56	1	4.55	1.343	2.321	2.353
43	PHASE 1	3	1	45	20.0	1	82	82	4.26	2	11.11	1	4.55	1.147	0.387	0.196
43	PHASE 2	4	3	180	80.0	7	13	96	4.99	2	11.11	2	9.09	5.371	5.416	5.490
43	AM CHAR			225		8		96	4.99	2	11.11	3	13.64	6.518	5.803	5.686

PROGRESS CITY HIGH SCHOOL

MAY 1, 1971

RESOURCE UTILIZATION BY PROGRAM AREA

PROGRAM AREA LANG. ARTS — *Continued*

CRS NO.	COURSE-PHASE	MEETING PATTERN/SEC PPM	MPW	TOT. MINS	% OF COURSE	SECTIONS NO.	MEAN SIZE	PUPILS NUMBER	% OF TOTAL	TEACHER NUMBER	% OF TOTAL	ROOMS NUMBER	% OF TOTAL	TIME PUPILS	TEACHERS	ROOMS
45	PHASE 1	2	1	30	14.3	1	52	52	2.70	1	5.56	1	4.55	0.485	0.129	0.131
45	PHASE 2	4	3	180	85.7	4	12	51	2.65	1	5.56	2	9.09	2.854	3.095	3.137
45	READ ENG L			210		5		52	2.70	1	5.56	3	13.64	3.338	3.224	3.268
47	CONT FICT	3	3	135	100.0	13	15	195	10.14	3	16.67	3	13.64	8.183	7.544	7.647
51	PHASE 1	2	1	30	14.3	1	24	24	1.25	2	11.11	1	4.55	0.224	0.258	0.131
51	PHASE 2	4	3	180	85.7	2	11	23	1.20	2	11.11	2	9.09	1.287	1.547	1.569
51	CON POETRY			210		3		24	1.25	2	11.11	3	13.64	1.511	1.805	1.699
53	PHASE 1	2	1	30	14.3	1	18	18	0.94	1	5.56	1	4.55	0.168	0.129	0.131
53	PHASE 2	4	3	180	85.7	2	8	17	0.88	1	5.56	2	9.19	0.951	1.547	1.569
53	WORLD LIT			210		3		18	0.94	1	5.56	3	13.64	1.119	1.676	1.699
63	TRAD GRAN	4	3	180	100.0	1	15	15	0.78	1	5.56	1	4.55	0.839	0.774	0.784
67	SENIOR LIT	3	3	135	100.0	1	10	10	0.52	1	5.56	1	4.55	0.420	0.580	0.588
71	PHASE 1	2	1	30	14.3	1	29	29	1.51	1	5.56	1	4.55	0.270	0.129	0.131
71	PHASE 2	4	3	180	85.7	3	10	31	1.61	1	5.56	1	4.55	1.735	2.321	2.353
71	JOURNAL			210		4		31	1.61	1	5.56	1	4.55	2.005	2.450	2.484
73	PUBLICAT	4	2	120	100.0	1	42	42	2.18	1	5.56	1	4.55	1.567	0.516	0.523
74	PHOTO	3	2	90	100.0	1	11	11	0.57	1	5.56	1	4.55	0.308	0.387	0.392
824	PHASE 1	2	1	30	18.2	2	113	227	11.80	3	16.67	1	4.55	2.117	0.774	0.261
824	PHASE 2	3	3	135	81.8	19	11	227	11.80	2	11.11	4	18.18	9.526	11.025	11.176
824	PARTICIP			165		21		227	11.80	3	16.67	5	22.73	11.643	11.799	11.438
***	PROGRAM SUMMARY			4035		2		1924	100.00	18	100.00	22	100.00	100.000	100.000	100.000

includes specific courses that have been previously identified as being a part of the general program area. The available minutes for teachers and rooms in each program area is based upon a proportion of the scheduled minutes in each program area for the teachers and for the rooms.

Resource Utilization by Program Area

Each program area, as listed in the left most column of the output, is summarized showing – by column headings – the total minutes of meeting time and the mean number of sections in the program. Also listed are the numbers of pupils, teachers, and rooms involved in each program area and their percent of the respective column totals.

In the case of pupils, the numbers listed may exceed the total school enrollment due to some individuals being involved in more than one course within that particular program area. The corresponding percent of the total would exceed 100, in such an instance.

The percent of total time scheduled within each program area for pupils, teachers, and rooms is calculated, based upon school totals for each category. The sum of the percents in each program area for each category provides the school summary data. These data are identical to the scheduled density for each of the categories of pupils, teachers, and rooms.

Resource allocation is further segmented into a finer analysis within each of the program areas. Each course within the program area is listed in the left most column by each individual phase of the course as well as by the totals for each course. The meeting pattern columns of periods per meeting (PPM) and meetings per week (MPW) are listed for each phase as well as the total minutes for each student in each phase and the total course. The percent of each course's time in each phase is listed with that phase, as well as the number of sections in each phase of the course, and the mean section enrollment.

Another column, the pupil category, indicates the total number of pupils assigned in each phase of the course and its corresponding percent of the total for the program area. A similar treatment is made for the categories of teachers and rooms, listing the numbers of teachers and the numbers of rooms for each phase and their respective percents of the total for the program area.

In the final columns, the percent of time scheduled (based on program area totals) is calculated and listed for each phase of each course and for the total course for each of the three categories of pupils, teachers, and rooms.

If the described data are provided to the administrator and can more readily inform him of the manner in which the various resources are being utilized, he and his assistants have the opportunity to provide modern management decisions that will attempt to facilitate the goal of a learner-responsive school system. The initial step will then have been initiated. It will serve to either justify or reject many decisions made earlier and to provide invaluable assistance in the making of future decisions. A management information system for education will have begun to emerge.

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PLANNING FACILITIES FOR STUDENT USE DURING UNSCHEDULED TIME

Management Information System

A plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system.

VIII

IOWA EDUCATIONAL INFORMATION CENTER

PLANNING FACILITIES FOR STUDENT USE DURING UNSCHEDULED TIME

MANAGEMENT INFORMATION SYSTEM

Co-Investigators: Dr. Walter J. Foley
Dr. Gordon G. Harr

The IEIC Management Information System represents a plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system.

This project is supported by the U.S. Office of Education, Bureau of Research, under Title IV of The Elementary and Secondary Education Act. The research is planned and carried out under Contract Number OEC-0-9-099011-4395(010).

IOWA EDUCATIONAL INFORMATION CENTER
The University of Iowa
Iowa City, Iowa
September 1971

MANAGEMENT INFORMATION SYSTEM

Planning Facilities for Student Use During Unscheduled Time

Prepared by

Dr. Richard E. Munsterman

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PLANNING FACILITIES FOR STUDENT USE DURING UNSCHEDULED TIME

Introduction

In the last fifteen years American secondary education has been characterized by increased emphasis on individualized instruction. As the secondary schools have restructured their programs to meet the individual student's needs, they have greatly increased the planning and administrative problems associated with organizing the day-to-day operations of the school.

One method of changing the school program has been the use of the modular flexible schedule. It is characterized by providing for unequal time increments for various courses and at the same time providing for large group lectures, small group discussions, and independent study time for each course. This ability by educators to vary the time and organization of classes has greatly increased the school's ability to serve the individual student's learning differences in each subject area as opposed to the conventional schedule of six, seven, or eight equal periods per day, every day, which does not enhance the school's ability to serve these differences.

When school administrators tried to implement the ideas of Trump as he proposed in his books, *Images of the Future* and *Guide to Better Schools: Focus on Change,* into their everyday school schedules, they faced an almost impossible manual scheduling task. Through the work of Bush, Allen, and Oakford (instrumental in developing the Stanford School Scheduling System (SSSS), and the Generalized Academic Simulation Program (GASP) which was developed at the Massachusetts Institute of Technology) and with further developmental work done by Educational Facilities Laboratories, and the manual scheduling methods for modular flexible scheduling, it has been made possible for educators to design a secondary program that consists of various time patterns for different courses. Here, each course is composed of large group lectures, small group discussions, and unscheduled independent study time activities. These computer programs combine the individual secondary school's program of studies with the other school resources—time, teachers, rooms, and students—into an effective program. The output from these scheduling programs is a master schedule with room assignments, individual student schedules, teacher schedules and class lists.

Through the use of computer technology combined with increased use of other educational technology, educators have made it possible for secondary schools to serve the individual student's need of varying rate, depth, and breadth of instructional opportunity. At the same time, these new scheduling methods have made it possible for administrators to make more effective use of their teaching staff through the use of "teaching teams" with the addition of paraprofessionals.

The use of SSSS and GASP have solved the problem of scheduling students into various time patterns and types of instruction. Yet, other problems have been created for educational planners. One main difficulty is that of designing the facilities so that they will fit the school-designed modular flexible scheduling program. Also included in this problem is how to design and provide the proper facilities for the independent study phase (unscheduled time) of the program. School facility planners have not had adequate planning models or data to perform this function.

One tool that educational technology has provided to school planners to overcome this problem of facility planning is the use of computer simulation modeling techniques. It is the purpose of this study to develop a simulation model for use by decision-makers in educational facility planning to determine the proper amount of space allocation for resource facilities needed for unscheduled independent study time activities in a modular flexible scheduled secondary school.

Need for the Study

A review of the literature on modular flexible scheduling reveals that the unscheduled time phase of the program causes the most problems in the operation of this form of scheduling. The chief cause of this problem is the lack of the proper facilities in the proper proportions for unscheduled time activities.

It is the purpose of this study to develop a computer simulation model to help educational facility planners make decisions in the following situations:

1. What effect will a schedule change in the present flexible schedule have on the unscheduled student utilization of resource facilities?
2. If our school plans on implementing a modular flexible schedule, what student capacity should we make our resource areas for the unscheduled phase of the program?
3. With our present resource facilities what would be the most effective scheduling method to have maximum utilization of these facilities?

It should be noted that the unscheduled resource facilities will need more area of the school plant than any other program area offered.

Development of a Simulation Model

The main steps taken in developing a simulation model are the collection and processing of real world data, the formulation of the model, the formulation of the computer program, the validation of the model, and the design of simulation experiments.

The input data for this simulation model was collected from:

1. Discussions with the pilot high school administrators and from printed materials supplied by this school;
2. The SSSS scheduling program for the second semester of the 1970-71 school year at the pilot high school (see IEIC-MIS Student Use of Unscheduled Time-V);
3. A study performed by Smiley to determine what students did with their unstructured time at this high school; and
4. Information supplied from the IEIC Management Information System being developed with this high school.

Information that was obtained from the SSSS scheduling program for use in the simulation model was:

1. The number of students unscheduled by grade level by module by day.
2. The probability distributions of length of unscheduled time by module by day by grade.

From Smiley's study the following information for the simulation model was obtained:

1. Probability distributions for student selection of resource facilities by grade by day.
2. Probability distributions for student selection of resource facilities by grade for cycle.
3. Probability distributions for length of use of facility by grade by day.
4. Probability distributions for length of use of facility by grade for cycle.

In developing a simulation model it is necessary to make some assumptions about the real world. For this model the following assumptions were made:

1. During unscheduled time, all students must be using some school facility as listed in Appendix A.
2. Once a student selected a facility, he used that facility for the whole module (15 minutes).
3. The student facility selection data was typical for the whole school year.

The desired output from the simulation model was the number of students by grade level using each resource area for each module of the cycle.

To facilitate the computer program development, IBM's General Purpose Simulation System/360 (GPSS) was used. The use of this system reduced the programming time and made available the system's special features such as random number generators, logic capabilities, and printouts of storage utilization.

The validation test that was made for this model was to compare the simulated output developed from historical data with the present student usage. This comparison was made using data collected on actual student head counts in the following resource areas at the pilot high school:

1. Library
2. Mathematics Resource Center
3. Social Studies Resource Center
4. Cafeteria
5. Foreign Language Resource Center
6. Language Arts Resource Center

For this study two hypothetical experiments using this simulation model were performed. The first experiment was to determine for a hypothetical situation the student capacity of selected resource areas for use by students during their unstructured time for an increased enrollment at the pilot high school of 300 students coming from junior high schools using a modular flexible scheduling program. The second experiment was to determine the student capacity of selected resource areas for a high school with a student population of 1000 students planning to start a modular flexible schedule.

Operation of the CPSS Computer Simulation Model

The GPSS computer simulation model, which follows the flow chart as shown in Figure 1, operates as follows:

A student (transaction) is generated at Block 1 with certain properties according to the user's input parameters. As the student moves through Blocks 2 and 3, the student is assigned the amount of time unscheduled and the resource facility selected. In this model these situations are generated using the random number generators and the user's supplied probability distributions for these assignments.

Next, the student enters the selected storage (Block 4) at which time the GPSS model assigns a length of time to the student for use of this storage using the random number generator and the user supplied probability distribution for this assignment (Block 5).

At Block 6 a test is made of each transaction in the storage location to see if the simulated clock time is greater than or equal to the time assigned to each transaction for use in a particular storage. This test is made at the end of each simulated period in the cycle. If the simulated clock time is greater than or equal to the time for the transaction to leave the storage, the transaction leaves the storage (Block 7) and the GPSS program automatically updates the statistics for that storage location. If the clock time is less than the transaction time for leaving the storage, the transaction remains in that location until this check was made at the end of the next period.

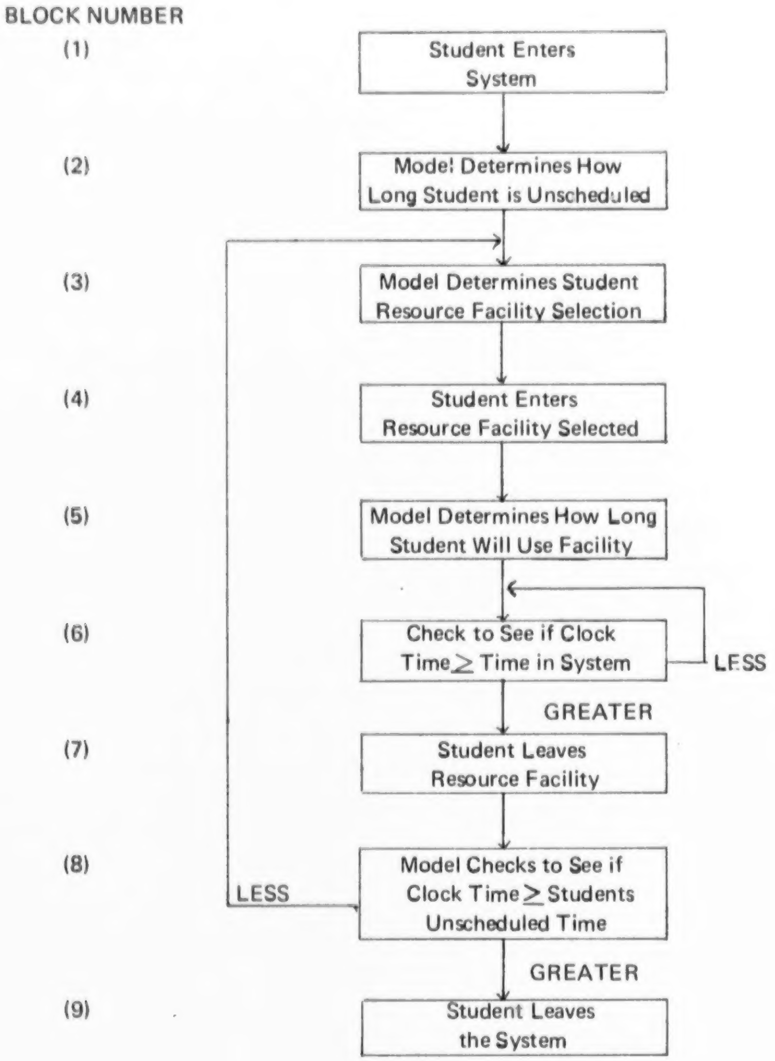
BLOCK NUMBER
(1)
Student Enters System
(2)
Model Determines How Long Student is Unscheduled
(3)
Model Determines Student Resource Facility Selection
(4)
Student Enters Resource Facility Selected
(5)
Model Determines How Long Student Will Use Facility
(6)
Check to See if Clock Time ≥ Time in System
LESS
GREATER
(7)
Student Leaves Resource Facility
(8)
Model Checks to See if Clock Time ≥ Students Unscheduled Time
LESS
GREATER
(9)
Student Leaves the System

FIGURE 1

FLOW CHART OF SIMULATION MODEL TO SHOW FUNCTIONAL RELATIONSHIP OF VARIABLES USED IN MODEL

Before the transaction leaves the system at Block 9, the GPSS computer model checks to see if the unscheduled time is less than the simulated clock time. If the unscheduled time is greater than the clock time (Block 8), the student is recycled back to Block 3 and repeats the cycle. If not, the student then leaves the system to attend lunch or a scheduled class.

This procedure was carried out for each period for each day of the cycle for each grade level. Also, at the end of every period the model determines the number of students in that resource area.

Results

The first simulation experiment that was run using the developed GPSS simulation model was to show how this model could be useful to school planners for a school that is using modular flexible scheduling. The specific problem was to simulate a school situation in which 300 new students could be expected in a couple of years. Also, this problem presented the situation in which the students would be coming from junior high schools that are using independent study programs. The question answered in this experiment was what effect would these students have on the resource facilities in this school.

The analysis of the simulation data shows that for the present capacity of the following resource areas the student capacity would be exceeded as follows:

Library–49% of the time;
Mathematics Resource Center–19% of the time;
Social Studies Resource Center–16% of the time;
Language Arts Resource Center–1% of the time; and
Foreign Language Resource Center– 0.5% of the time.

This shows that the main area of concern for planning the facilities is focused on the Library and the Mathematics and Social Studies Resource Centers.

Table 1 shows the results of increasing the capacity of the three above-mentioned resource areas. If the capacity of the Library was increased to 260 students, its capacity would be exceeded 12 percent of the time as is the present situation at the pilot high school. Increasing the capacity of the Mathematics Resource Center by 20 students to a new capacity of 88 will result in the capacity being exceeded 4% of the time according to the simulated data. Increasing the Social Studies Resource Center by 10 students tc a new capacity of 59 results in the capacity being exceeded for 5% of the time.

It should be noted that these values are not adjusted for students absent, in Directed Study Hall, or in the Work Release Program.

Based on the simulation data the administrators can increase the capacity of the above-listed resource areas as indicated, or they can investigate the possibilities of making some schedule changes to spread the number of students per module more uniformly throughout the week. It could be possible that the Library might be the only resource area that may need its capacity increased.

This data shows the usefulness of simulation modeling as presented in this study in combination with the simulation capabilities of computer scheduling for predicting resource facility capacity needs.

The second simulation experiment tested using this model was to show how these simulation results could be used in planning the size of the Library, Mathematics, Social Studies, Foreign Language, and Language Arts Resource Centers for a school intending to start a modular flexible scheduling program. This school will have a student population of 1000 students with a program similar to that of the pilot school.

TABLE 1

PERCENTAGE OF TIME THE STATED STUDENT CAPACITY OF THE LIBRARY AND MATHEMATICS AND SOCIAL STUDIES RESOURCE CENTERS IS EXCEEDED

Resource Area	*Capacity*	*Percentage of time capacity exceeded*
Library	180*	49
	200	34
	220	25
	240	15
	260	12
	280	1.5
Mathematics	68*	19
	78	11
	83	7
	88	4
Social Studies	49*	16
	59	5
	64	1

* Present Student Capacity

In the development of this problem it was necessary to adjust the probability distributions for student selection of resource areas, because this school is planning to combine its Foreign Language and Language Arts Resource Centers. Also, the school will not have an Open Lab Gym, a Distributive Education Room, a Reading Laboratory, or a Commons Area.

Table 2 shows the percentage of the time the student capacity was in excess of a given capacity for the Library, Mathematics, Social Studies, and Language Arts Resource Centers. The school administrator of this hypothetical school would then have to make a decision as to what percentage of the time would be acceptable for the student capacity of these areas to be exceeded. For example, Table 2 shows that if this percentage was set at 10 percent, the capacity of the resource areas would be set at 135 students for the Library, 40 for the Mathematics Resource Center, 25 for the Social Studies Resource Center, and 40 for the Language Arts Resource Center.

TABLE 2

PERCENTAGE OF TIME THE STATED STUDENT CAPACITY OF THE LIBRARY, MATHEMATICS, SOCIAL STUDIES AND LANGUAGE ARTS RESOURCE CENTERS IS EXCEEDED

Resource Area	*Capacity*	*Percentage of time capacity exceeded*
Library	100	44
	110	29
	120	19
	130	12
	140	4
Mathematics	35	19
	40	11
	45	6
	50	2
Social Studies	20	31
	25	11
	30	2
Language Arts and Foreign Language	30	23
	35	14
	40	8
	45	6
	50	1

Conclusion

The real value of this simulation becomes apparent when the data from it is combined with the simulation model proposed by Van Dusseldorp (54) for determining the number of large group, middle size group, and small group rooms that are needed for the planned program. Further data is available for use by the school administrator for facility size determination if he makes use of the Room Utilization Programs developed by the IEIC for use in its Management Information System. The two simulation methods combined with the Room Utilization Program form a complete set of tools that are available to educational planners and decision-makers for designing facilities for modular flexible scheduling programs.

APPENDIX A

Resource Areas Available to Students During Unscheduled Time at the Pilot High School

Resouice Areas at the Pilot High School

The following list of resource areas at the pilot high school is from Smiley's doctoral thesis, "Student Use of Unscheduled Time in a High School Employing a Flexible-Modular Schedule," pages 63 to 71. (56) This information is used with the author's permission.

1. *Administrative Offices:* located near the main entrance and on the main thoroughfare to the nerve center of the school. The administrative offices consisted of the principal's and associate principal's offices, a large conference room, and the central office.
2. *Counseling Center:* located near the administrative offices and consisting of six private counseling offices, a reception-information area, and a combination records and conference room.
3. *Nurse's Office:* adjacent to the central office. It consisted of an office for the nurse, an examination room, and an area for reclining.
4. *Teachers' Offices:* scattered throughout the building, these included teachers' desks with small space for individual student conferences. Many offices were shared by teachers from within the same department.
5. *Library:* located near the main entrance and near the center of the building, it provided seating for 180 students. Ninety-five study carrels were provided for students wanting to study independently.
6. *Large-Group Area:* located on the second floor and available for student study when not in use as a large-group classroom. Students could engage in quiet independent study or in small-group independent study.
7. *Foreign Languages Resource Center:* located in Room 150 and available for student use every module of the cycle. The resource center provided materials and equipment appropriate for individual study and enrichment. A Foreign Language Laboratory was included in this center.
8. *Language Arts Resource Center:* housed in Room 140 and serving as the departmental center of resources and materials for the language arts. Teachers or para-professional staff were available at all times to assist students.
9. *Mathematics Resource Center:* located in Room 220, it provided space for independent study and research for the Mathematics Department at all times during the cycle. Teachers and para-professionals were assigned to provide aid to students during all modules.
10. *Social Studies Resource Center:* occupied Room 211 as the departmental center for all of the social studies. It was open for individual study for all modules of the cycle and was manned by teachers and para-professionals throughout the cycle.
11. *Reading Lab:* provided individual study space for students every module of the cycle. Materials and equipment were available to students in a supervised atmosphere.

12. *Science Labs:* included laboratories for the areas of biology, physics, and chemistry. The biology area consisted of two suites of two laboratories each, connected by a preparation room and adjoined by a greenhouse. Resource area and individual research and experimentation space was readily available.

    The physics laboratory comprised two highly flexible classrooms equipped with math-top desks, and movable lab tables with easy access to air pressure, gas and water. A resource center, preparation room, and a darkroom were adjacent and available for individual experimentation.

    The chemistry facilities included two laboratory classrooms connected by an office-preparation area. Adjacent to the office-workroom area was a large chemical and laboratory-apparatus storage room.

13. *Distributive Education Room:* located in Room 114 and consisting of displays and visual merchandising techniques, the room was sectioned into learning areas for various phases of merchandising and available at any time the students were not in a scheduled class.

14. *Speech Room:* Room 156 was divided with a folding wall permitting dual use. A resource center for students in speech was provided, along with three small conference rooms with visual control to be used for committees, debate, and rehearsal.

15. *Band Room:* available for rehearsal and practice of individuals or instrumental groups. Individual practice rooms were small enough to be efficient for individual practice.

16. *Strings Room:* allowed space for rehearsal of individuals or small-group ensembles in an acoustically treated atmosphere. A resource library was also provided.

17. *Vocal Music Room:* located in Room 111, with permanent risers making rehearsal more efficient. Practice rooms allowed students to work individually or in small groups. The area was carpeted and acoustically treated for more efficient use.

18. *Art Area:* comprised of Rooms 139A for crafts, and 139B for art, the rooms were divided into individual work areas for drawing, ceramics, jewelry, and sculpturing. A student study center for individual research was located in each room.

19. *Business Education Area:* located in Rooms 135-138A. A cooperative office was equipped with an offset press and used for printing most of the necessary school forms. A dictation lab was available, and a bookkeeping lab had an adding machine on every student table. Any time that rooms were not being used by a scheduled class, they were available for individual student use.

20. *Home Economics Area:* involved a clothing laboratory equipped with fitting and construction facilities, interior design studies, food laboratory designed for food preparation, and a family living center.

21. *Agriculture Room:* served as a part of the industrial arts area and provided a work area as well as resource area for agriculture.

22. *Auto Mechanics Room:* open for students to perform assignments and individual work at any time including when a class was in session in another part of the room.

23. *Electronics Room:* an open lab room with adequate materials and equipment for individual work.

24. *Mechanical Drawing Room:* served as both a classroom for instruction and individual work projects.

25. *Metals Room:* provided opportunity for independent work projects with adequate machinery and tools.

26. *Woods Room:* located within the industrial arts area, supplied with adequate machinery and equipment for large and small jobs alike.

    All power tools and equipment for the industrial arts area were grouped together for safety and efficient operations.

27. *Driv-o-trainer:* located in the east wing of the building, twelve units were available for students to use any time for fourteen hours of simulator driving during the semester.

28. *Open Lab Gymnasium:* included stations for nearly all sports and activities. Through the use of curtains, the gymnasium could be divided into four areas. The balcony provided floor space for tumbling, basketball, volleyball, and gymnastics; adjacent to this were a wrestling facility and a physical education classroom. An underground area had been developed that contained a 110-yard running track with sufficient infield area for hurdling and jumping. A batting cage was used for baseball and golf practice and five archery stations were available.

29. *Open Room:* Any classroom not being used was available to students wanting to study individually or in small groups.

30. *Cafeteria:* allowed for the serving of breakfast and snacks until 10:45 a.m. each day. Lunch was served from 11:30 a.m. until 1:00 p.m. Music could be piped into the area which was used for study and relaxation throughout the day. It could also be used as an assembly area for a large group of students.

31. *Commons Area:* located near the main entrance, it served as a large gathering area and passing area throughout the day.

32. *Hallway:* any area used primarily for passing from one location to another.

33. *Rest Room:* located in several places throughout the building.

34. *Other:* any area used by the student not categorized by any other listed resource.

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PLANNING AN EDUCATIONAL BUDGET BY PROGRAM THROUGH FINANCIAL RESOURCE ALLOCATION

Management Information System

A plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system.

IX

IOWA EDUCATIONAL INFORMATION CENTER

PLANNING AN EDUCATIONAL BUDGET BY PROGRAM THROUGH FINANCIAL RESOURCE ALLOCATION

MANAGEMENT INFORMATION SYSTEM

Co-Investigators: Dr. Walter J. Foley
Dr. Gordon G. Harr

The IEIC Management Information System represents a plan to utilize modern management techniques to facilitate the goal of a learner-responsive school system.

This project is supported by the U.S. Office of Education, Bureau of Research, under Title IV of The Elementary and Secondary Education Act. The research is planned and carried out under Contract Number OEC-0-9-099011-4395(010).

IOWA EDUCATIONAL INFORMATION CENTER
The University of Iowa
Iowa City, Iowa
November, 1971

MANAGEMENT INFORMATION SYSTEM

Planning An Educational Budget By Program Through Financial Resource Allocation

Prepared by

Ernest R. Goeres

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PLANNING AN EDUCATIONAL BUDGET BY PROGRAM THROUGH FINANCIAL RESOURCE ALLOCATION

Introduction

The pressing demand for adequate, accurate, and timely educational information is one of the most crucial needs in the administrative management and development of America's educational program. An educational information system that can provide pertinent information, when needed, to enable the administrator to cope with the problems confronting contemporary education is an almost indispensable management tool in the educational process today. Such a system, referred to as a Management Information System (MIS), is now in the developmental stage at the Iowa Educational Information Center. According to Foley (1969), MIS

> . . .represents a plan to utilize modem management techniques to facilitate the goal of a learner-responsive school system. The Management Information System component is being developed to meet the need for the coordination of the resources of staff, facilities, and time with the long range planning and financial management efforts of the future. (Foreword)

Educational Administration is emphasizing more and more the ability of the manager to make wise decisions based on appropriate information. A necessary prerequisite for any systematic study of the information needs in decision-making is the establishment of an educational data bank. Foley (1969) describes the four interrelated activities necessary for the development of this data bank as follows:

1. *Information Collection* – the development of specifications for information sources and, when appropriate, sampling techniques; the development of specifications for instrument construction and the scheduling of information collection; the development of common definitions for data elements in the bank.
2. *Information Organization* – the development of methods for cross classification of information; the development of coding systems for information storage; the development of systematic reliability and validity checks for information.
3. *Information Analysis* – the development of analytical tools for information manipulation; the development of base line or referent information; the development of schedules for periodic evaluation of procedures.
4. *Information Reporting* – the development of criteria for specifying information reporting audiences; the development of formats, schedules and reporting session procedures; the development of strategies for providing information to users. (p. 3)

Data bank activities are being structured to classify data under the following five tracts or files: (1) PUPILS, (2) FACILITIES, (3) STAFF, (4) COMMUNITY, (5) FINANCE.

The **PUPIL DATA FILE** includes elements with common definitions related to demographic characteristics. It contains measures of the present level of intellectual functioning and measures of achievement, performance, aspiration and expectation.

The **FACILITY DATA FILE** includes the site characteristics, the buildings (construction, age, and condition), the educational and non-educational space, the equipment specifications, and program materials.

The **STAFF DATA FILE** includes demographic characteristics, training and experience, ratings and effectiveness measures, and salary.

The **COMMUNITY DATA FILE** includes the size and composition as well as area served, principal industries, principal housing types and conditions, income level, ethnic characteristics, expectation levels, and resource people and industries.

The **FINANCE DATA FILE** includes all cost elements relative to the educational program. It is a fiscal reporting system which reflects the cost of operating the educational program.

When fully developed the above data banks serve as the nucleus of a Planning–Programming–Budgeting–Analysis–Evaluation System (PPBAES), which is a component of a comprehensive MIS.

Following is a description of the finance tract of the MIS developed by the Iowa Educational Information Center (IEIC) in conjunction with the pilot school.

Goals

The finance file is designed with the dual goal of being an integral part of the Management Information System as well as a vehicle to introduce the technique of program-oriented accounting into an area traditionally fund-object oriented. The finance file therefore provides an accounting system for its internal financial processing based on defined program structures. It also facilitates the transition from traditional budgeting practices to those which are program oriented, eventually leading to the development of a Planning–Programming–Budgeting–Analysis–Evaluation System (PPBAES). This system's main goal is to rationalize decision-making by providing data on the costs and benefits of alternative ways of attaining proposed objectives and by providing output measurements to determine the effective attainment of chosen objectives over a period of time.

Chambers (1968) defines a PPBAES as "the assembling and implementation of procedures whereby the objectives of a cluster of activities and the alternatives for achieving those objectives over a multi-year period are determined, analyzed, evaluated, costed, and selected." (p. 6) The elements of a PPBAES are defined by Chambers (1968) as follows:

> *Planning* is the determination of what could be done over a multi-year period to achieve the objectives of a program.
>
> *Program* is a cluster of activities designed to achieve specific objectives over a multi-year period as a result of those activities.
>
> *Budgeting* is the estimation of costs over a multi-year period to achieve program objectives.
>
> *Analysis* is an analytic examination of a program and its activities, procedures, processes, methods, routines and techniques.

> *Evaluation* is an appraisal of program objectives and program of accomplishments.
>
> *System* is an assembly of procedures, processes, methods, routines or techniques united by some form of regulated interaction to form an organizational whole. (p. 6)

According to Chambers (1968), the implementation of a PPBAES requires the following management capabilities:

> (1) To budget over a multi-year period.
>
> (2) To account and report expenditures by programs expressed in the budget. In most cases a cost accounting system requires computer hardware.
>
> (3) To coordinate and plan both on a horizontal and vertical basis the programs of a school system.
>
> (4) To provide relevant information for use in decision-making; that is, to provide integrated information about pupil personnel, curriculum, facilities, *et cetera.*
>
> (5) To evaluate the programs. Such evaluation must have validity and reliability, which in most cases will require objective evaluation techniques.
>
> (6) To analyze current inputs and outputs and to modify those inputs and outputs as deemed necessary. (p. 14)

The underlying assumption of the Management Information System is that by establishing and interrelating the five files of data, these management capability requirements will be met, thus making it possible to establish a PPBAES.

Present Status

Phases in the Implementation of a PPBAES and its Relation to a Management Information System.

Five phases have been identified which will lead to the implementation of a PPBAES and define its relation to a Management Information System.

In the first phase, expenditures are defined in terms of Fiscal Year, Fund, Organizational Unit, Program, Program Area, Course or Activity, and object of expenditure. The objectives associated with this first phase are: (1) the implementation of budget planning procedures which specify expenditures on a multi-dimensional basis, and (2) the utilization of accounting procedures which will monitor expenditures along these same multi-dimensional lines.

In the second phase, goals and objectives are stated in terms of programs and courses or activities. There are three objectives for this second phase: (1) to state the instructional goals and objectives of the educational program in measurable terms, (2) to state non-instructional goals and objectives for the other programs–Support of Instruction, Administration, and Maintenance and Operation, and (3) to develop and implement procedures to measure achievement of these goals and objectives.

In phase three, expenditures of phase one and objectives of phase two are related to each other. The object here is to view program and course objectives in terms of cost.

In phase four, programs are projected in terms of cost over a multi-year period. Each program projects its costs for maintaining the program at its present level and for expansions of the program that are desired or necessary over a 3-5 year period in the future.

The final phase is the evaluation of how well program objectives are attained and the exploration of other possible alternatives. The objective here is to consider and simulate various alternative means of achieving goals in terms of cost and likelihood of success.

Program Structure

In the finance tract, there are four programs, each with its subsets of program areas each having associated courses or activities: (1) Instruction, (2) Support of Instruction, (3) Administration, (4) Maintenance and Operation.

Program 1, Instruction, may be subdivided into such program areas as:

1. Language Arts
2. Foreign Language
3. Social Studies
4. Mathematics
5. Science
6. Business Education
7. Home Economics
8. Vocational Agriculture
9. Trades and Industry
10. Industrial Arts
11. Art
12. Vocal Music
13. Instrumental Music
14. Physical Education
15. Driver Education
16. Workstudy

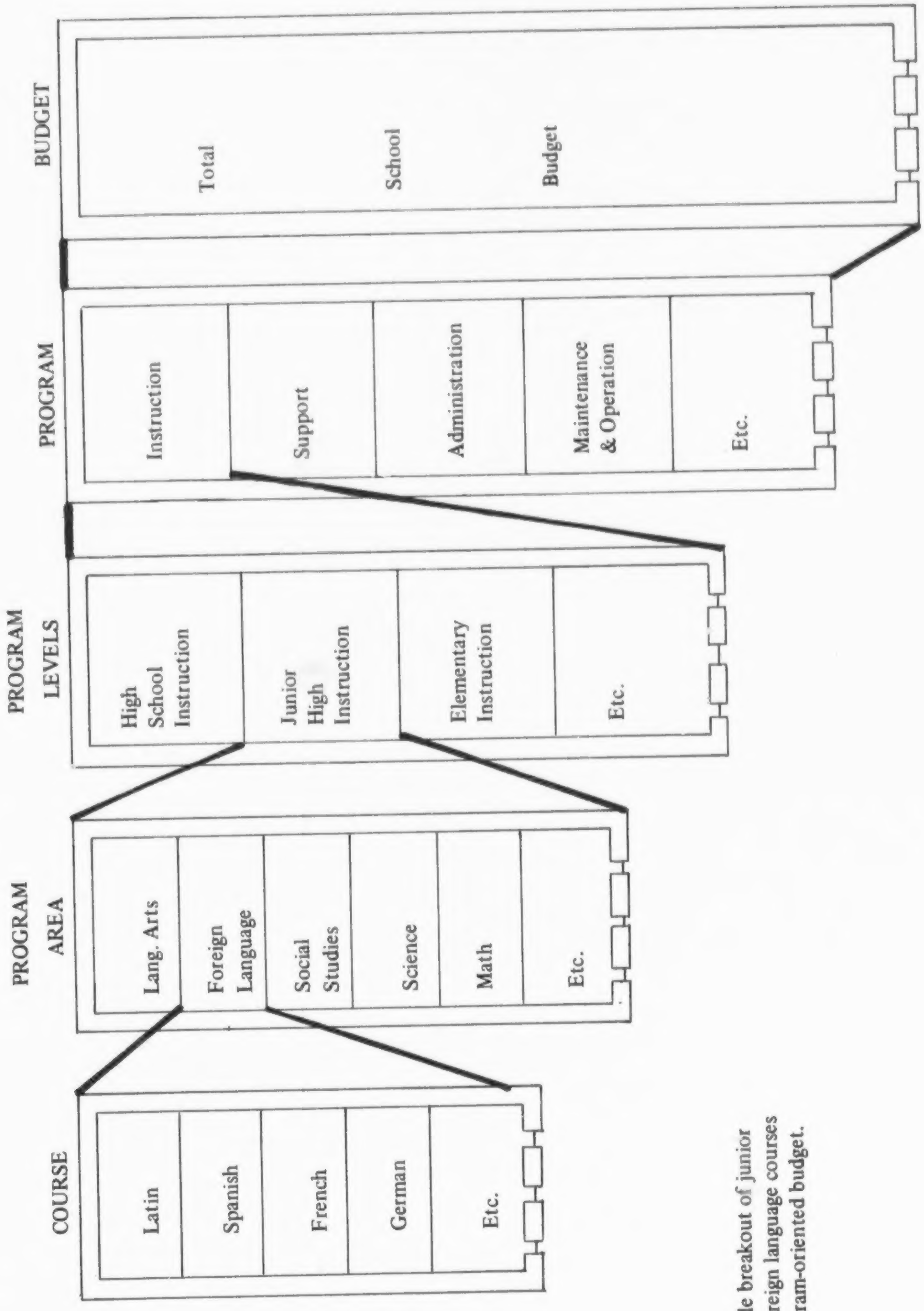
Each of these program areas is further subdivided into the instructional courses which comprise it. For example, the foreign language program area is made up of French, German, Spanish, and other foreign language instruction courses. (See Figure 1 for the relationship of the program structure elements to each other as illustrated by the breakout of junior high school foreign language courses. Included in Figure 1 is the program level category which identifies the level of instruction as high school, junior high, or elementary.)

Program 2, Support of Instruction, may be made up of the following program areas:

1. Pupil Personnel Services
2. Library IMC
3. Health Services
4. Athletics
5. Co-Curricular
6. Pupil Transportation
7. Food Service

FIGURE 1

PROGRAM ORIENTED BUDGET


COURSE
Latin
Spanish
French
German
Etc.
PROGRAM AREA
Lang. Arts
Foreign Language
Social Studies
Science
Math
Etc.
PROGRAM LEVELS
High School Instruction
Junior High Instruction
Elementary Instruction
Etc.
PROGRAM
Instruction
Support
Administration
Maintenance & Operation
Etc.
BUDGET
Total
School
Budget

Example breakout of junior high foreign language courses in program-oriented budget.

Activities appropriate to each of these program areas have been defined.

Program 3, Administration, is subdivided into program areas which are administrative in nature. They may include the following central office positions and staff functions:

1. Board of Education
2. Superintendent
3. Assistant Superintendents
4. Central Office
5. Principals
6. Associate Principals
7. School Office

Program 4, Maintenance and Operation, may include the following program areas:

1. Facilities Acquisition
2. Facilities Construction
3. Facilities Maintenance
4. Facilities Operation
5. Utilities

Chart of Accounts

A new chart of accounts is being utilized in the Finance Tract as a basis for retrieval of fiscal data required to answer analytic questions. The chart has been designed to collect data at a low level of specificity. This maximizes the ability to segregate specified items and to aggregate related items in the process of determining program costs. The chart of accounts also provides for better fiscal control and improved accounting procedures through its design and structure. An 18-digit code number is used to identify each expenditure in the following dimensions:

Fiscal Year	Fund	Organizational Unit	Program	Program Area	Course or Activity	Expenditure
XX	XX	XXX	XX	XX	XXX	XXXX

The following definitions for these dimensions are offered:

Fiscal Year: A fiscal year is the twelve month period of time to which the annual budget applies. A fiscal year is coded by a two digit number representing the last digits of the calendar year in which the school year ends.

FISCAL YEAR:

FY 70	School Year	1969-70
FY 71	School Year	1970-71
FY 72	School Year	1971-72
FY 73	School Year	1972-73
FY 74	School Year	1973-74
FY 75	School Year	1974-75

Fund: This two digit number relates the expenditure to the source of revenue:

FUND

10	General Fund	12	Special Courses Fund
11	Schoolhouse Fund	13	Student Activity Fund

Organizational Unit: The first digit of the three digit code number indicates the educational level—elementary, junior high, senior high or total system; the last two digits identify the building or cost center.

ORGANIZATIONAL UNIT

System Wide	500	Central Office (all levels)
Elementary Schools	400-499	
	409	School A
	418	School B
	427	School C
Junior High Schools	200-299	
	209	Junior High School K
	218	Junior High School L
	227	Junior High School M
High Schools	100-199	
	109	Senior High School X
	111	Senior High School Y

Program: This two digit number identifies the major divisions within the cost center. Four programs have been identified:

PROGRAMS

1. Instruction
2. Support of Instruction
3. Administration
4. Maintenance and Operation

Program Area: This two digit code number identifies a major area of responsibility within a program. For example, in the instructional program, language arts is a program area; in the support of instruction program, pupil personnel services is a program area.

Course or Activity: This three digit number specifies the lowest level to which costs are assigned. In the instructional areas, these are courses which students take. In other programs, these are activites which take place.

Expenditure: The first digit of this four digit number identifies the type of expenditure. Nine types of expenditures have been identified: Certified salaries, non-certified salaries, employee benefits, supplies and equipment, materials, repair and replacement of equipment, capital outlay, contracted services, and other costs. The last three digits are available for further specification of the type of expenditure; e.g., equipment is broken down as new, replacement, and repair.

Expenditures have been defined as follows:

Certified Salaries: Salaries paid to staff members in positions which require certification by the State Department of Public Instruction.

Non-Certified Salaries: All salaries and wages paid which are not classified as certified salaries.

Employee Benefits: Those expenses for employee retirement and fringe benefits.

Supplies and Equipment: Supplies are items which are consumable and are normally used within a year of purchase. Examples include: paper, pencils, workbooks, chemicals, soap, groceries. Equipment in this category includes only items which cost less than ten dollars.

Materials: Items which are purchased or rented in a form which is directly usable but not consumable. Items classified as materials are used over a period of several years. Examples include: books, films, tape recordings, *et cetera.*

Repair and Replacement of Equipment: Expenditures for the repair and replacement of capital outlay equipment.

Capital Outlay: Expenditures made for equipment costing more than ten dollars and expenditures for new construction or remodeling of facilities.

Contracted Services: Those services which are jobbed out to agencies or individuals outside of the school system.

Other Costs: Those costs which cannot be attributed to the other defined expenditure categories.

Input Data

Input data for the finance tract evolves mainly as a backward extension of the desired output information to its lowest basic elements. Only in this way is it possible to aggregate costs along the previously defined dimensions of Fund, Organizational Unit, *et cetera.*

Accurate input data requires that costs be calculable and attributable to certain programs, courses, and activities. But since not all expenditures can be readily allocated to one specific course or activity only, it becomes necessary to calculate them on a pro-rata basis. This makes it possible, for example, to show how departmental lump sum appropriations are distributed as expenditures across the courses or activities in that department. Therefore, it is necessary to determine both direct and pro-rated direct costs to insure the accuracy of input data for the finance tract.

The percentage of proration is determined by department heads and principals, working cooperatively with budget personnel and classroom teachers. Proration methods are generally based on one or more of the following elements: (1) time; (2) average-daily-membership or average-daily-attendance; (3) time-floor-area; (4) hour-consumption; (5) number of pupils; (6) mileage; or (7) quantity consumed. The following is an example of this type of proration based on secondary counselors' time utilization in the program area of Pupil Personnel Services:

Activity 101	Counseling	22%
Activity 102	Guidance	10%
Activity 103	Scheduling	19%
Activity 104	Clerical	20%
Activity 105	Testing	4%
Activity 106	Other	25%
	TOTAL	100%

Costs which can be attributed directly to specific courses or activities are done so and thereby facilitate the aggregation of expenditures along the desired dimensions.

Special budget forms have been developed to collect the required input cost data for the finance tract. In addition, these forms are utilized for the normal budgetary process each year.

All other input data which is necessary to produce the desired output information and which is not contained in the cost data file is extracted from the other four appropriate data files of Community, Pupils, Resources, and Staff.

Process

Data processing is an important component of a Management Information System, particularly when it is related to a data base through which information is received, secured, accounted for, converted, and retrieved. Computer programs are written to facilitate the manipulation of data along certain prescribed lines to provide meaningful information for the decision-making process.

The main thrust of the finance tract is to provide cost data along program and course or activity lines. This calls for cost data gathering at a low level of specificity to allow aggregation along several dimensions. Since the annual process requires cost data determination in its most elementary form, it is also the logical point to collect cost data pertinent to the finance tract. Hence, the budgetary process is the keystone of the cost-aggregation system and is the first computer program being developed for the finance tract. This computer program is made up of two phases, the initial phase being concerned with the collection and treatment of *original* budget data and phase two, Update, being concerned with subsequent modifications of the original budget data. This process is flowcharted on page 11 and includes the following steps:

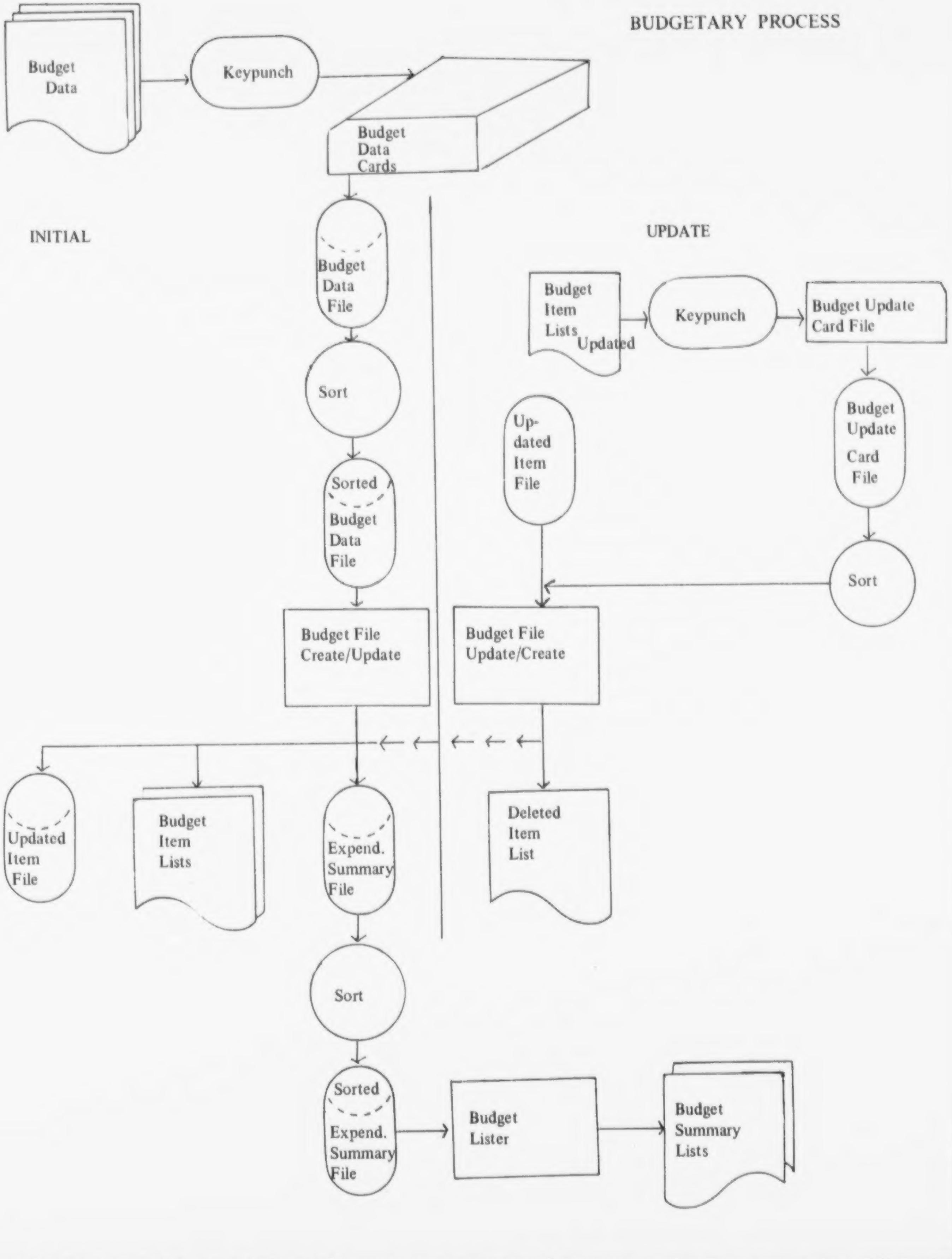
1. Keypunching of budget data from budget data collection forms.
2. Creation of a budget data file.
3. Sorting of budget data file to sequence records according to program account numbers creating budget file.
4. Editing and calculations of budget file data produces:
   (a) Updated budget item file and
   (b) Budget item list.

Output From Finance Tract

The computer program being utilized yields as printout for each course or activity information under the following headings: (1) Certified Salaries, (2) Non-Certified Salaries, (3) Employee Benefits, (4) Supplies and Equipment, (5) Materials, (6) Repair and Replacement of Equipment, (7) Capital Outlay, (8) Contracted Services, (9) Other costs. This information is then summed across courses and activities to give program area totals and across program areas to give program totals.

Output Information

Data becomes information only when it is interrelated with the other files. This information serves as the main element in the decision-making process. Such cross-related categories of output information have been defined for each of the four programs–Instruction, Support of Instruction, Administration, and Maintenance and Operation–and form the basis for the reports in the finance tract of the Management Information System.



BUDGETARY PROCESS

Budget Data
Keypunch
Budget Data Cards
INITIAL
UPDATE
Budget Data File
Sort
Sorted Budget Data File
Budget File Create/Update
Budget Item Lists Updated
Keypunch
Budget Update Card File
Budget Update Card File
Up-dated Item File
Sort
Budget File Update/Create
Updated Item File
Budget Item Lists
Expend. Summary File
Deleted Item List
Sort
Sorted Expend. Summary File
Budget Lister
Budget Summary Lists

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